GALAXY S5 mini

4G LTE SMARTPHONE

User Manual

Please read this manual before operating your device
and keep it for future reference.

SAMSUNG

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English: www.samsung.com/us/Legal/Phone-HSGuide

Spanish: www.samsung.com/us/Legal/Phone-HSGuide-SP

The online version of the End User Licensing Agreement for your device can be found:

Online at: www.samsung.com/us/Legal/EULA

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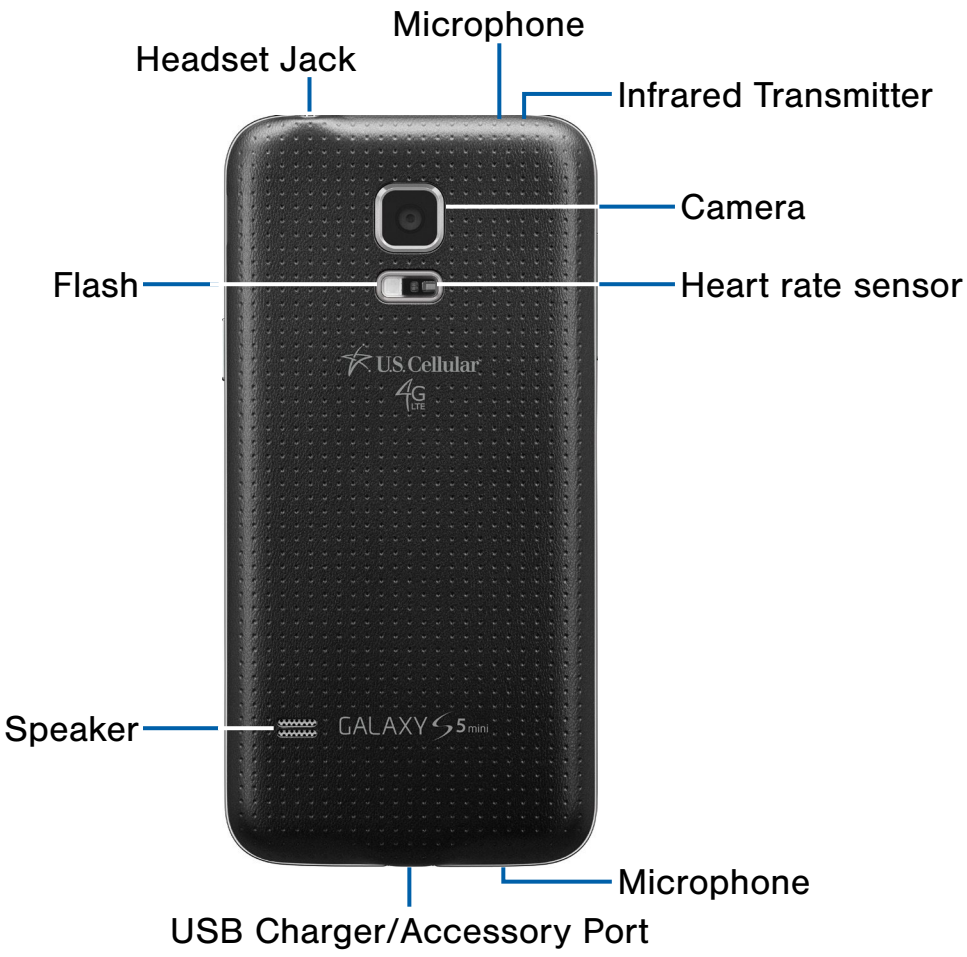
Getting Started

Learn about your mobile device hardware, assembly procedures, and how to get started using your new device.

Front View

- **Back key**: Tap to return to the previous screen, or to close a dialog box, menu, or keyboard.
- **Earpiece**: Allows you to hear the caller.
- **Front Camera**: Take pictures and videos of yourself.
- **Home/Finger Scanner key**: Press to return to the home screen. Activate the Finger Scanner security feature to use as a fingerprint reader.
- **Power/Lock key**: Press and hold to turn the device on or off, or press to lock or wake up the screen. Press and hold to turn the device off or restart it, or for quick access to Airplane, Emergency, and Sound modes.
- **Proximity and Light Sensors**: Detects the presence of objects near the device.
- **Recent Apps key**: Tap to display recent apps, or touch and hold for Home screen options.
- **Status light**: Displays red when charging or the battery is low, blue when a notification has arrived or you are voice recording, and green when fully charged.
- **Volume key**: Press to adjust the volume of your device's sounds.

Back View



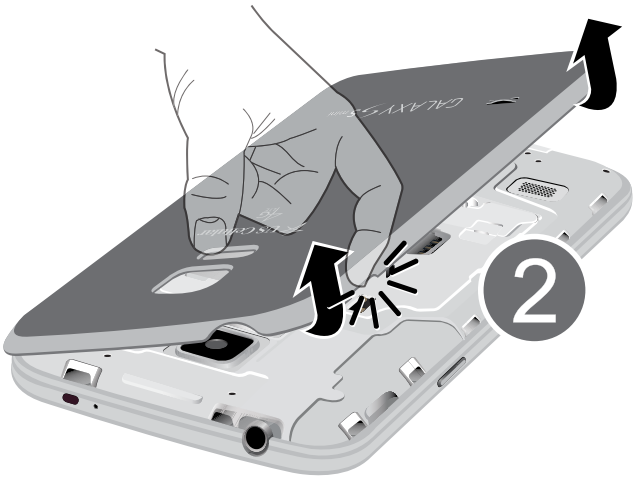
- **Camera**: Take pictures and record videos.
- **Flash**: Illuminate subjects in low-light environments when taking a photo or recording video.
- **Headset Jack**: Connect an optional headset (not included).
- **Heart rate sensor**: When using the S Health app, this sensor measures your heart rate via your fingertip.
- **Infrared Transmitter**: Controls external devices using infrared transmissions.
- **Microphone**: Records audio and detects voice commands.
- **Speaker**: Plays ringtones, music, and other sounds.
- **USB Charger/Accessory Port**: Connect the charger/USB cable (included), and other optional accessories (not included).

Assemble Your Device

Prior to use, it is necessary to install the SIM card, optional memory card (not included), and the battery.

Remove the Back Cover

1. Remove the back cover using the slot on the top of your phone.
2. Lift the cover up and to the right of the phone.

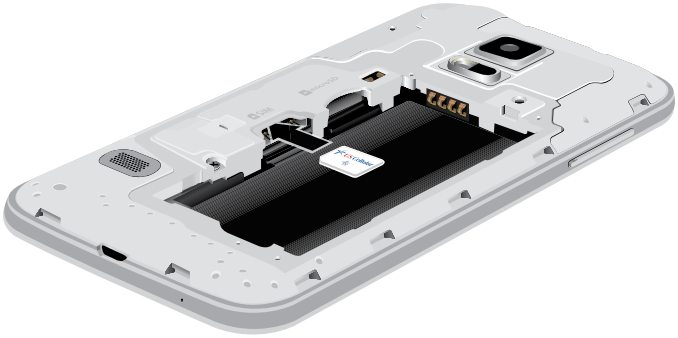


Warning! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Install the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card. During activation, your SIM card will be loaded with your subscription details, such as your PIN, available optional services, and many others features.

Warning! Please be careful when handling the SIM card to avoid damaging it. Keep all SIM cards out of reach of small children.



► Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.

Make sure that the card's gold contacts face into the phone and that the angled corner of the card is positioned as shown.

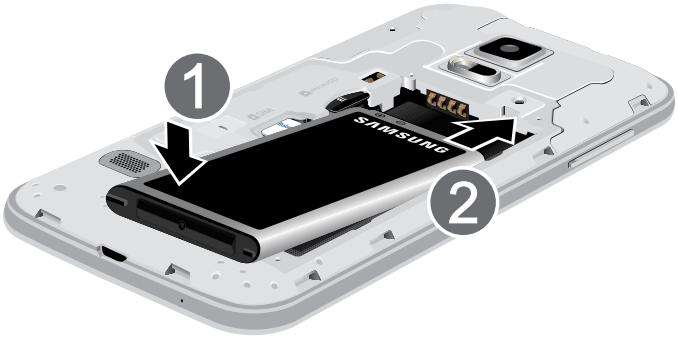
Caution: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Install a Optional Memory Card

You can use an optional microSD or microSDHC memory card (not included) to expand available memory space.

For more information on installing a memory card, see Install a Memory Card.

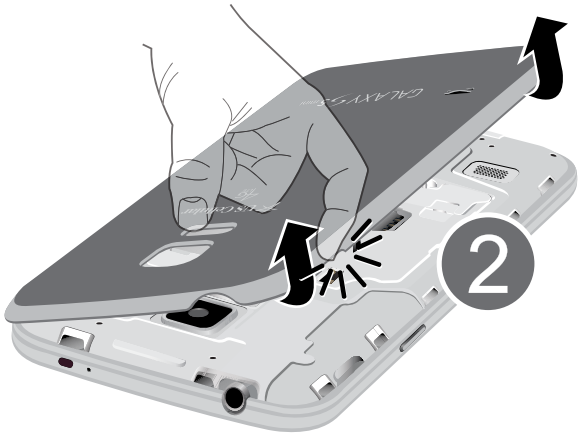
Install the Battery



1. Insert the battery into the opening on the back of the phone, making sure the connectors align.
2. Gently press down to secure the battery.

Replace the Back Cover

1. Place the battery cover onto the back of the phone and press down.
2. Press along the edge of the back cover until you have a secure seal.



Charge the Battery

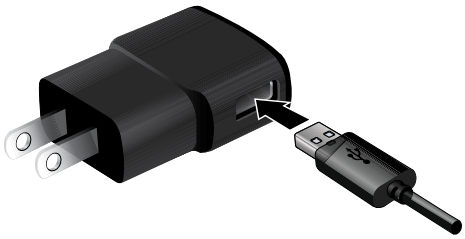
Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the device, for charging the battery.

The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Your device comes with a charger (charging head and USB cable) to charge your device from any 110/220 VAC outlet.

1. Insert the USB cable into the port.
2. Connect the USB cable to the charging head, then plug the charging head into a standard AC power outlet.



3. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the device.

Caution: Failure to unplug the charger before you remove the battery, can cause damage to the device.

When to Charge the Battery

When the battery is weak and only a few minutes of talk time remain, the device sounds a warning tone at regular intervals.

In this condition, your device conserves its remaining battery power, not by turning off the back light, but by entering the dimming mode.

When the battery level becomes too low, the device automatically turns off.

► For a quick check of your battery level, see the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

You can also choose to display a percentage value. Having a percentage value onscreen can provide a better idea of the remaining charge on the battery. For more information, see Battery.

Set Up Your Device

Turn Your Device On and Off

Turning the Device On

► Press and hold the **Power/Lock** key until the device vibrates and starts up.

Turning the Device Off

1. Press and hold the **Power/Lock** key until the *Device options* menu displays.
2. At the prompt, tap **Power off**.

Setup Wizard

The first time you turn your device on, Setup Wizard will guide you through the basics of setting up your device.

Follow the **prompts** to choose a default language, set up accounts, choose location services, and learn more about your device.

Secure Your Device

Use your device's screen lock features to secure your device. To set a personal screen lock, use the Screen lock option.

Lock the Device

By default, the device locks automatically when the screen times out.

► To lock the device, press the **Power/Lock** key.

Unlock the Device

Unlock the device using one of the default unlock screens, or use Screen lock options for increased security.

► To unlock the device, press either the **Power/Lock** key or **Home** key, then touch and drag your finger across the screen.

Set Up a Secure Screen Lock

The default Screen lock is Swipe, which offers no security. To choose a more secure screen lock, see Set a Screen Lock.

Set Up Accounts on Your Device

Google Account

Your new device uses your Google account to fully utilize its Android features, including Gmail, Google Hangouts, and the Google Play Store.

When you turn on your device for the first time, set up a connection with your existing Google account, or create a new Google account.

– or –

To create a Google account, or set up your Google account on your device, use Accounts settings. For more information, see Accounts.

► From Home, tap **Apps** > **Settings** > **Accounts** > **Add account** > **Google**.

Samsung Account

Create a Samsung account for access to Samsung content and apps on your device.

When you turn on your device for the first time, set up your existing Samsung account or create a new Samsung account.

– or –

To create a Samsung account or set up your Samsung account on your device, use Accounts settings. For more information, see Accounts.

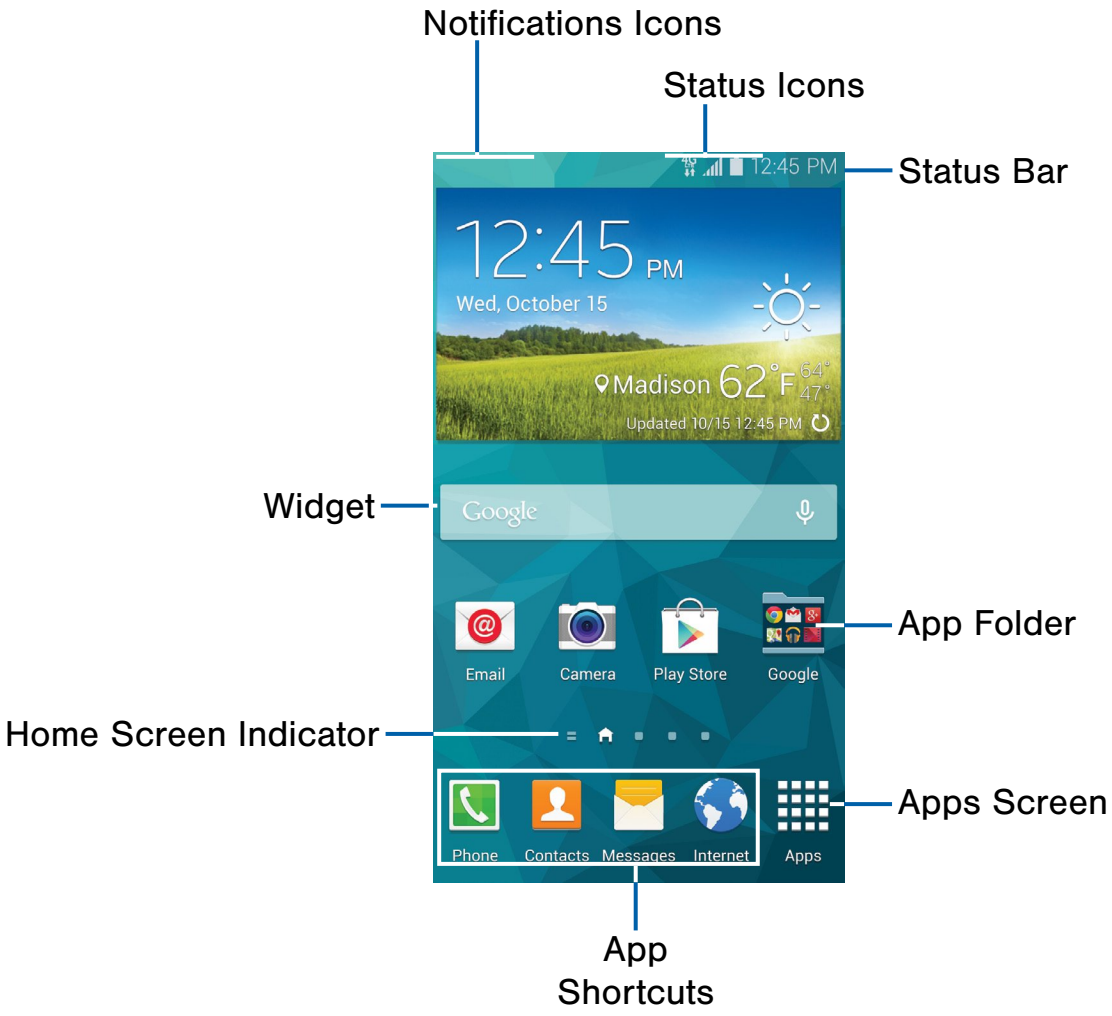
► From a Home screen, tap **Apps** > **Settings** > **Accounts** > **Add account** > **Samsung account**.

Know Your Device

Learn some of the key features of your mobile device, including the screens and icons, as well as how to navigate the device and enter text using the keyboard.

Caution: Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Home Screen



- **App Folder**: For your convenience, related applications are grouped into folders on the Home screens.
- **App Shortcuts**: Shortcuts to your favorite applications on the Home screen.
- **Apps Screen**: Allows quick access to all of the Applications available.
- **Home Screen Indicator**: Indicates which Home screen is presently displayed.
- **Notifications Icons**: Displays new messages and emails, notifications, available software updates, and so on.
- **Status Bar**: Displays device status icons (right) and notification icons (left).
- **Status Icons**: Indicates information about the device, such as the network signal strength, battery level, the time, and so on.
- **Widget**: Self-contained applications that run on the Home screen (not shortcuts).

The Home screen is the starting point for using your device.

Customize your home screen by adding application shortcuts, widgets, folders, and using wallpapers.

Manage Home Screens

Your device comes with multiple Home screens by default, and you can add more screens. You can also rearrange the Home screens in a different order.

1. From a Home screen, pinch the screen.

   – or –

   Touch and hold an empty space on the screen.

2. Use these options to manage screens:

   - **Add a screen**: Scroll to the end of the screens, and then tap **Add**.
   - **Remove a screen**: Touch and hold on a screen, and then drag it to the **Remove**.
   - **Set a screen as the main home screen**: Tap **Main Home Screen** at the top of a screen. This screen display when you press the Home key.
   - **Change the order of screens**: Touch and hold on a screen, and then drag to a new position.

App Shortcuts

You can use app shortcuts to launch an app from any home screen.

Add a Shortcut to a Home Screen

1. From a Home screen, tap **Apps**.
2. Touch and hold an app shortcut, and then drag it to a Home screen and release it.

Remove a Shortcut

1. Touch and hold a shortcut to release it.
2. Drag the icon to the **Remove** icon and then release it.

Note: Removing a shortcut does not delete the app, it just removes the shortcut from the home screen.

Widgets

Widgets are self-contained apps that display on a home screen. Unlike a shortcut, a widget operates right on the home screen. There are all kinds of widgets, including links to a specific contact, Internet bookmarks, Gmail and email accounts, and many others.

Add a Widget to the Home Screen

1. Touch and hold an empty space on the screen, and then tap **Widgets**.
2. Touch and hold a widget, and then drag it to a home screen and release.

Remove a Widget

1. From a Home screen, touch and hold a widget to release it.
2. Drag the widget to the **Remove** icon and release it.

Note: Removing a widget does not delete the widget, it just removes the widget from the home screen.

Folders

Place folders on the Home screen to organize items.

Adding Folders

1. From a Home screen, touch and hold on an app shortcut.
2. Drag the shortcut onto **Create folder** and release.
   - Enter a folder name.
   - Tap **Add** to place additional apps in the folder.
   - Tap **Done** on the keyboard.

   A folder will be created with the shortcut(s) inside.

Using Folders

- Tap the folder to open it and access the shortcuts inside.
- To add shortcuts to the folder, touch and hold the shortcut, and then drag it onto the folder and release.
- To delete a folder, touch and hold the folder until it detaches, and then drag it to **Remove** and release.
- Tap **More options** to change the folder's color scheme.

Change the Wallpaper

Change the look of the home and lock screens with wallpaper. You can display a favorite picture, or choose from preloaded wallpapers.

1. From a Home screen, pinch the screen.

   – or –

   Touch and hold an empty space on the screen.
2. Tap **Wallpapers**, and then choose **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Tap a wallpaper to see a sample, and then tap **Set wallpaper**.

Status Bar

The Status Bar at the top of the home screen provides device information (such as network status, battery charge, and time) on the right side and notification alerts on the left.

Status Icons

	Battery is fully charged.
	Battery is low. The yellow area turns red as the charge level becomes critical.
	Battery is charging.
	Wi-Fi is active.
	Signal strength.
	No wireless network is available.
	The device is connected to a 3G wireless network.
	The device is connected to a 4G LTE wireless network.
	Vibrate mode is enabled.
	Mute mode is enabled.

Notification Icons

	App updates are available from the Google Play Store.
	App updates are complete.
	Keyboard is in use.
	Location service (GPS) is active.
	New email has arrived.
	New Gmail has arrived.
	Download of a file or app is in progress.
	Upload or sending of a file is in progress.
	Connected to a computer using a USB cable.
	Missed call.
	Call in progress.
	Call is using speakerphone.
	New voicemail message has been received.
	New text or multimedia message has arrived.
	No SIM card is installed, or the installed SIM card is not working.

Navigation, Motions, and Gestures

Touchscreen Navigation

Tap

Lightly tap items to select or launch them.

- Tap the on screen keyboard to enter characters or text.
- Tap an item to select it.
- Tap an app icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture.

- Touch and hold a widget on the Home screen to move it.
- Touch and hold a field to display a pop-up menu of options.

Swipe or Slide

To swipe, lightly drag your finger vertically or horizontally across the screen.

- Swipe to unlock the screen.
- Swipe to scroll through the Home screen or a menu.

Drag

To drag, touch and hold on an item, and then move it to a new location.

- Touch and hold, and then drag to add a shortcut to the Home screen.
- Touch and hold, and then drag to move a widget on the Home screen.

Pinch and Spread

Pinch the screen using your thumb and forefinger, or spread by moving your fingers apart.

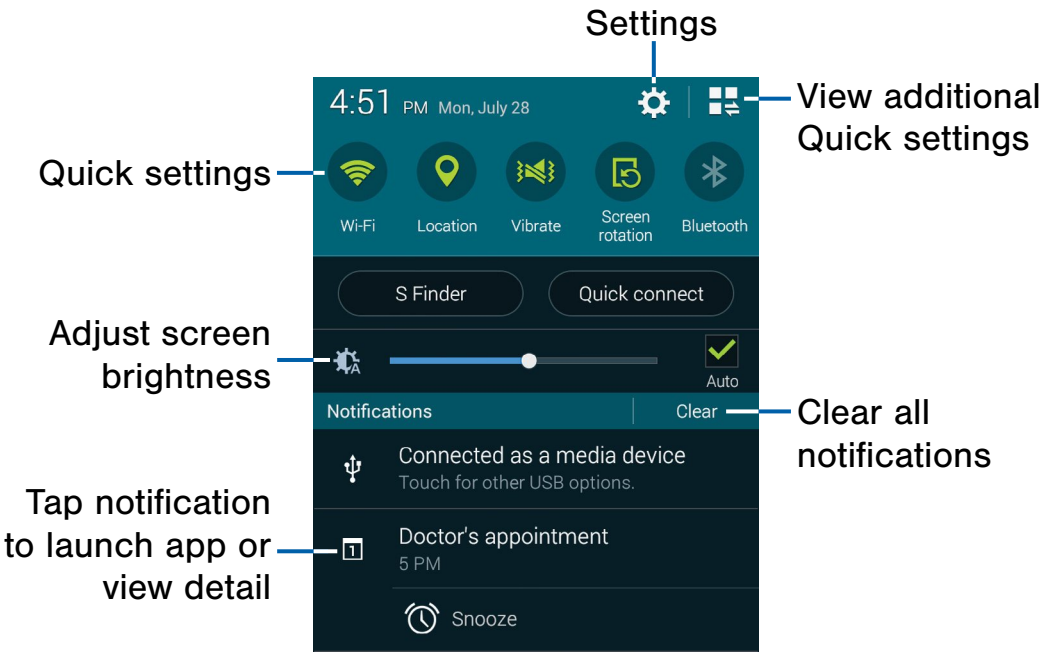
- Pinch or spread to zoom in or out while viewing a picture or a web page.
- Pinch or spread to zoom in or out while taking a picture.

Motions and Gestures

Control your device by making specific gestures with your hand above the device's screen.

To customize the Motions and Gestures, see Motions and Gestures.

Notification Panel



Notification icons on the Status Bar display calendar events, device status, and more. For details about these notifications, open the Notification Panel.

View the Notification Panel

1. Swipe down on the Status Bar to display the Notification Panel.
2. Scroll down the list to see notification details.
   - Tap an item to open it.
   - To clear a single notification, drag the notification left or right. Tap **Clear** to clear all notifications.
3. To close the Notification Panel, swipe upward from the bottom of the screen or tap **Back**.

Quick Settings

In addition to notifications, the Notification Panel also provides quick access to device functions such as Wi-Fi, allowing you to quickly turn them on or off.

To view additional Quick settings

► Swipe left or right across the visible icons.

– or –

Tap **View all**.

Notification Panel Settings

To customize the Notification Panel, see Notification Panel Settings.

Entering Text

Using the Samsung Keyboard

Type your text input using a QWERTY keyboard.

Special Keys	
123 Sym	Tap to switch to numbers and symbols.
ABC	Tap to switch to letters.
Touch and hold the **Options** key to:	
	Use Google Voice Typing.
	Access the clipboard.
	Access keyboard settings.

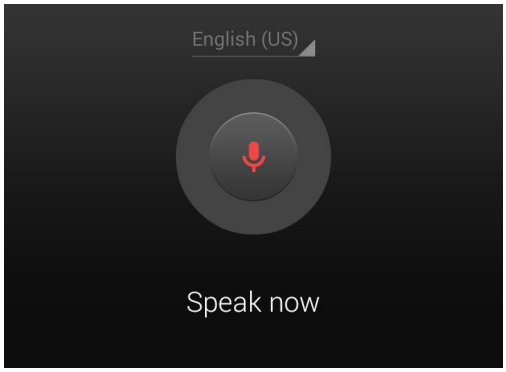
Configure the Samsung Keyboard

Customize the Samsung Keyboard. For more information , see Samsung Keyboard Settings.

Using Google Voice Typing

Instead of typing, speak your text input.

Note: Google Voice Typing must be activated in order for it to be an option on the keyboard.



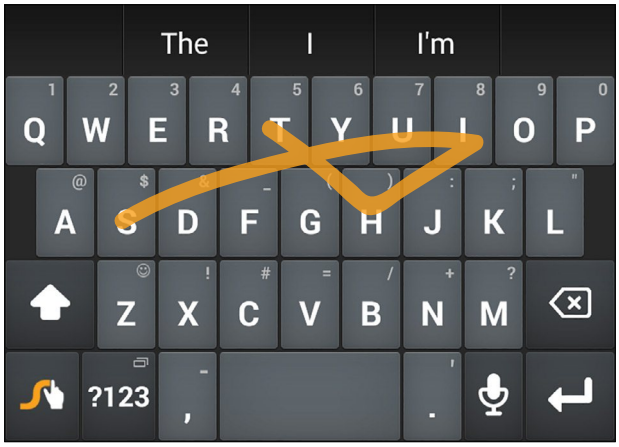
1. To enable Google Voice Typing:
   - From a Home screen, tap **Apps** > **Settings** > **Language and input**.
   - Tap the check box next to **Google voice typing** to enable this feature.
2. On the Samsung Keyboard, tap **Google Voice Typing**. You may need to touch and hold the **Options** key (left of the **Space** key) to find it.
3. Speak your text.

Configure Google Voice Typing

Customize Google Voice Typing. For more information, see Google Voice Typing Settings.

Using Swype

Swype is a text input method that makes it possible to enter a word by sliding your finger or stylus from letter to letter, lifting your finger between words.



Enabling and Configuring Swype

To enable the Swype keyboard while entering text:

1. Touch the top of the screen and swipe downward to display the Notification Panel.
2. Touch **Choose input method**.
3. Touch **Swype**.

Configure Swype

To customize Swype, see Swype Keyboard Settings.

Calling

Make telephone calls using a variety of calling features and services.

Calling

Learn how to make or answer a call. Explore features and functionality associated with making or answering a call.

Make a Call

1. From a Home screen, tap **Phone**.
2. Enter a number and tap **Dial**.

Quickly Dial a Number from Your Contact List

1. From a Home screen, tap **Apps** > **Contacts**.
2. While viewing your contact list, swipe your finger across a contact to the right call the contact.

Dial a Recent Number

All incoming, outgoing and missed calls are recorded in the Call log. If the number or caller is listed in your contacts list, the associated name is also displayed.

1. From a Home screen, tap **Phone**.
2. Tap the **Recent** tab. A list of recent calls is displayed.
3. Tap a contact, and then tap **Call**.

End a Call

► When you are ready to end your call, tap **End call**.

Answer a Call

When a call is received, the phone rings and displays the caller's phone number or name if stored in the contacts list.

1. At the incoming call screen:
   - Touch and drag **Answer** in any direction to answer the call.
   - Touch and drag **Reject** in any direction to reject the call and send it to your voicemail.
2. Tap **End call**.

Multitasking While on a Call

If you exit the call screen and return to a Home screen, your active call is indicated by an icon on the Status Bar.

This lets you continue with your current call and do something else, such as access the contacts list, view a recent email, locate a picture, and so on.

► Tap the reactivate button to return to the call screen.

– or –

To end a call from any application, swipe the Status Bar downward to reveal the Notification panel, and then tap **End**.

Options During a Call

Your phone provides a number of functions that you can use during a call.

Adjusting the Call Volume

► Press the **Volume Key** to increase or decrease the volume.

– or –

Quickly add more volume to the incoming audio by tapping **More options** > **Extra volume**.

Listen with the Speaker or Bluetooth Headset

Listen to the call using the speaker or through a Bluetooth headset (not included).

► Press **Speaker** to hear the caller using the speaker.

– or –

Press **Bluetooth** to use a Bluetooth headset.

Personalize the Call Sound Setting

Adjust the sound by using an audio equalizer.

► From the currently active call, tap **More options** > **Personalize call sound**.

Place a New Call While in a Call

If your service plan supports this feature, you can make another call while a call is in progress.

1. From the active call, tap **Add call** to dial the second call. The first call is displayed as a thumbnail.
2. Dial the new number and tap **Dial**.
   - Tap **Swap** to switch between the two calls.
   - Tap **Merge** to hear both callers at once (multi-conferencing).

Call Waiting

If your service plan supports this feature, you can answer an incoming call while you have a call in progress. You are notified of an incoming call by a call waiting tone.

To answer a new call while you have a call in progress:

1. Slide **Answer** in any direction to answer the new call. Tap an option:
   - **Putting [Caller] on hold** to place the previous caller on hold while you answer the new incoming call.
   - **Ending call with [Caller]** to end the current call and answer the new call.
2. Tap the previous On hold number entry and select **Swap** to switch between the two calls. This places the new caller on hold and activates the previous call.

Call Log

The numbers of the calls you have dialed, received, or missed are stored in the Call log.

1. From a Home screen, tap **Phone**.
2. Tap the **Recent** tab. A list of recent calls is displayed. If the caller is in your contacts list, their name is displayed.

Save a Recent Call to Your Contacts List

1. From a Home screen, tap **Phone** > **Recent** tab.
2. Tap the call you want to save add to your contacts list.
3. Tap **Create contact**.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.

Delete a Call from the Call Log

1. From a Home screen, tap **Phone** > **Recent** tab.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.

Add a Call to the Reject List

By adding a caller to your Reject list, future calls from this number will be sent directly to your voicemail.

1. From a Home screen, tap **Phone** > **Recent** tab.
2. Touch and hold the caller you want to add to the Reject list.
3. Tap **More options** > **Add to Auto reject list**.

Make a Call Using Speed Dial

You can assign a shortcut number to a contact for speed dialing their default number.

► To make a call using Speed Dial, tap **Phone** > **Keypad** tab and enter the speed dial number, holding down on the last digit.

Create a Speed Dial

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Speed dial**. The Speed dial screen displays showing the numbers 1 through 100 (Number 1 is reserved for voicemail).
   - Tap an unused number to assign it to a contact's default phone number.
   - To remove a speed dial number assignment, tap **Remove**.

Make an Emergency Call

The Emergency calling mode makes dialing an emergency number a one-tap process.

Caution: This mode can drain your battery power more rapidly than normal calling mode.

Make an Emergency Call without a SIM Card

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

1. From the Lock screen, tap **Emergency call**.
2. Enter **911** and tap **Dial**.
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
4. Tap **End call**.

Make an Emergency Call with a SIM Card

1. From a Home screen, tap **Phone**.
2. Enter the emergency number, then tap **Dial**.

Call Settings

To access the Call settings menu:

► From a Home screen, tap **Phone** > **More options** > **Settings** > **Call**.

Applications

The Apps screen displays all applications installed on your device, both preloaded apps and apps you download and install yourself.

Learn how to change the way apps appear, organize apps into folders, and uninstall or disable apps.

Apps Screen

The Apps screen contains preloaded apps and apps that you downloaded. You can uninstall,disable, or hide apps from view.

Shortcuts to app can be placed on any of the Home screens. For more information, see App Shortcuts.

Accessing Applications

1. From a Home screen, tap **Apps**.
2. Tap an application's icon to launch it.
3. To return to the main Home screen, press the **Home** key.

Download and Install New Apps

Find new apps to download and install on your device:

- **Google Play Store**: Download new apps from the Google Play Store.

  Visit play.google.com/store/apps to learn more.

- **GALAXY Apps**: View and download Samsung apps that are optimized for use with GALAXY devices.

  Visit apps.samsung.com to learn more.

Uninstall or Disable Apps

You can uninstall apps you download and install. Preloaded apps cannot be uninstalled, but they can be disabled.

1. From a Home screen, tap **Apps**.
2. Tap **More options** > **Uninstall/disable apps**. Apps that can be uninstalled or disabled have a **Uninstall/Disable** symbol appear on their icon.
3. Tap **Uninstall/Disable**, and then follow the prompts to uninstall or disable the app.

Organize Your Apps

The Apps icons can be organized in folders and listed alphabetical or in your own custom order.

Change the Order Apps Are Listed

1. From a Home screen, tap **Apps**.
2. Tap **More options** > **View as**.
3. Tap an option:
   - **Customizable grid**: Touch and hold, and then drag apps to arrange them in any order.
   - **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.

Use Folders to Organize Apps

1. From a Home screen, tap **Apps**.
2. Tap **More options** > **Create folder**.
3. Enter a folder name.
4. Tap , select apps to include in the folder, and then tap **Done**.
   - Tap the folder to view its apps.
   - Tap an app to launch it.
   - Tap **More options** to select a background color for the folder.

Hide Apps from View

You can hide (rather than uninstall or disable) any apps you do not wish to see on the App screen.

1. From a Home screen, tap **Apps**.
2. Tap **More options** > **Hide apps**.
3. Tap apps to hide, and then tap **Done**.

Show Hidden Apps

You can show (unhide) apps you have hidden and put them back on the App screen.

1. From a Home screen, tap **Apps**.
2. Tap **More options** > **Show hidden apps**.
3. Tap apps to unhide, and then tap **Done**.

Apps Screen Options

1. From a Home screen, tap **Apps**.
2. Tap **More options** for these options:
   - **Edit**: Touch and hold an app icon, and then drag it to the **Create folder** icon to create a new folder. Drag it to the **Create page** icon to create a new apps screen and place the icon on it. Drag it to **App info** to view information about this app, or drag it to **Disable** or **Delete** to remove the app
   - **Create folder**: Create a new folder to hold the app icon.
   - **View as**: Configure the apps screen.
   - **Downloaded apps**: View downloaded apps.
   - **Uninstall/disable apps**: Remove an app that you downloaded to your device. Preloaded apps cannot be uninstalled, but they can be disabled. Tap **Uninstall/Disable** to remove or disable the selected app.
   - **Hide apps**: Hide apps from the Apps screen.
   - **Show disabled apps**: Display disabled apps.
   - **Show hidden apps**: Display hidden apps.
   - **GALAXY Essentials**: View and download Samsung apps that are optimized for use with GALAXY devices.
   - **Help**: View information about your device.

Google Applications

Enjoy these applications from Google.

Note: Certain applications require a Google account. Visit google.com to learn more.

Chrome

Use Chrome to browse the Internet and bring your open tabs, bookmarks and address bar data from your computer to your device.

Drive

Open, view, rename, and share your Google Docs and files.

Gmail

Send and receive email with Gmail, Google's web-based email.

Google

Search not only the Internet, but also applications and their contents on the device as well.

Google Now

Google Now recognizes repeated actions performed on the device to automatically send user-specific information "cards."

► Press and hold **Home**.

When Google Now is enabled, you can also access it by touching .

Google Settings

Quickly and easily change Google app settings to suit your preferences.

Note: You must be signed in to the application in which you want to configure. For example, sign in to Google+ in order to configure Google+ settings.

Google+

Stay connected and share life as it happens with Google+. Chat with friends and family, post photos, or see what others are sharing while you're on the go.

Hangouts

Hangouts is an online place to meet friends and family, share photos, and host video calls. Conversation logs are automatically saved to a Chats area in your Gmail account.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

You must enable location services to use Maps. For more information, see Location Services.

Photos

This application automatically backs up your photos and videos to a secure Google cloud location.

Play Books

With Google Play Books, you can find millions of free e-books and hundreds of thousands more to buy in the eBookstore.

Play Games

Discover hundreds of games for download and purchase through the Google Play Store.

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you're not connected to the Internet. You can also view videos saved on your device.

Play Music

With Google Play Music, you can play music you've downloaded, and music you copied from your computer.

Play Newsstand

Subscribe to your favorite magazines so you can have them available for reading on your device at your leisure.

Play Store

Find new apps, movies and TV shows, music, books, magazines, and games in Google Play Store.

Voice Search

Use voice commands to search the web with Google.

YouTube

View and upload YouTube videos, right from your device.

US Cellular Applications

Enjoy these applications from US Cellular.

Note: Certain applications require a data plan or paid subscription. Visit uscellular.com to learn more, or contact your service provider for additional information.

Amazon

Shop on the go with the Amazon application. New features allow Android™ users to quickly search, shop, compare prices, read reviews, and make purchases on Amazon.com using a simple yet elegant interface. Amazon customers have full access to their existing cart, wish lists, payment, shipping options, order history, Amazon Prime, and 1-Click settings.

Visit uscellular.com/data/amazon-apps to learn more

City ID

City ID is an enhanced Caller ID feature that automatically displays the city and State of incoming calls. City ID provides over 20,000 cities in North America, giving you an important tool to help identify unknown callers and more effectively manage your communications.

Gameloft

Gameloft is Android™ gaming at its best! Try the preloaded game right already on your device and visit the Gameloft shop to browse, purchase, and download more of the best mobile games available today.

Visit gameloft.com to learn more.

KIDOZ

KIDOZ turns phones into kid-friendly devices for playing and learning with the latest and greatest kids' educational applications, e-books, videos, and online content delivered directly to your child. Parents can set time and add or remove games and apps with ease. KIDOZ provides an easy way to switch between child and parent mode on the same device.

Visit kidoz.net to learn more.

Mobile Data Security

The U.S. Cellular® Mobile Data Security App provides a comprehensive mobile security, privacy, and recovery solution to keep your data safe and secure in the event of a lost or stolen phone.

Visit uscellular.com/mobiledatasecurity to learn more.

Mobile TV

Get live, on-demand and downloadable television delivered to your phone. With Mobile TV from U.S. Cellular®, you get access to sports, news, kids' shows, reality TV and music video entertainment—there's something for the whole family.

Visit uscellular.com/mobileTV to learn more.

Slacker Radio

Listen to your favorite music anytime and anywhere with your pre-installed Slacker application on your device. Jam out to over 200 expert-programmed stations or create your own based on your preferences from a library composed of millions of songs from thousands of artists.

Visit slacker.com to learn more.

Tone Room Deluxe

Your one-stop shop with over 120,000 ringbacks and ringtones from today's chart-topping artists to the greatest hits of all time. Updated daily with all genres of music. Browse and purchase on your phone or online today.

Visit toneroomdeluxe.uscellular.com to learn more.

Your Navigator Deluxe

Enjoy all the features of an advanced car navigation system such as voice guided turn-by-turn driving directions on an interactive online or offline map. Search for any destination including gas stations, ATMs, restaurants, and more. Also includes advanced features such as 3D Maps, Share your 'Where and When', and Trip Planner.

Visit uscellular.com/apps/your-navigator-deluxe to learn more.

Other Applications

Dropbox

View, edit, add, and delete files at any time in Dropbox from your computers, phones, or tablets. Files are automatically synchronized online, no matter what device is used to access or edit them.

Visit dropbox.com to learn more.

Flipboard

Use this application to access your personalized magazines.

Visit flipboard.com to learn more.

Kids Mode

Kids Mode creates a child-friendly environment on your device. The following apps are available: Drawing, Gallery, Camera, Music. All content available to the child is controlled in the Parental Controls section.

Mobile Hotspot

Use Mobile Hotspot to share your device's mobile data connection using a USB cable or as a portable Wi-Fi hotspot.

Calculator

The Calculator provides basic and advanced arithmetic functions.

Basic Operation

1. From a Home screen, tap **Apps** > **Calculator**.
2. Enter the first number using the numeric keys.
3. Tap the appropriate arithmetic function key.
4. Enter the next number.
5. To view the result, tap **Equals**.

Additional Functions

To clear the results:

► Tap C **Clear**.

To copy all or part of the calculation to the clipboard:

► Touch and hold an entry in the display field, then tap **Copy**.

Scientific Calculator

Turn the device landscape to use advanced arithmetic functions, such as *sin*, *cos*, and *tan*.

Calendar

Manage your events and tasks.

Create an Event or Task

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap **Create new** and use one of the following methods:
   - **Add event**: Enter an event with an optional repeat setting.
   - **Add task**: Enter a task with an optional priority setting.
3. Enter details for the event or task, and then tap **Save**.

Delete an Event or Task

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap to view an event or task. Tap **Delete** > **OK**.

   – or –

   To delete multiple events or tasks, tap **More options** > **Delete**, select events or tasks, and then tap **Done**.

Sharing Events

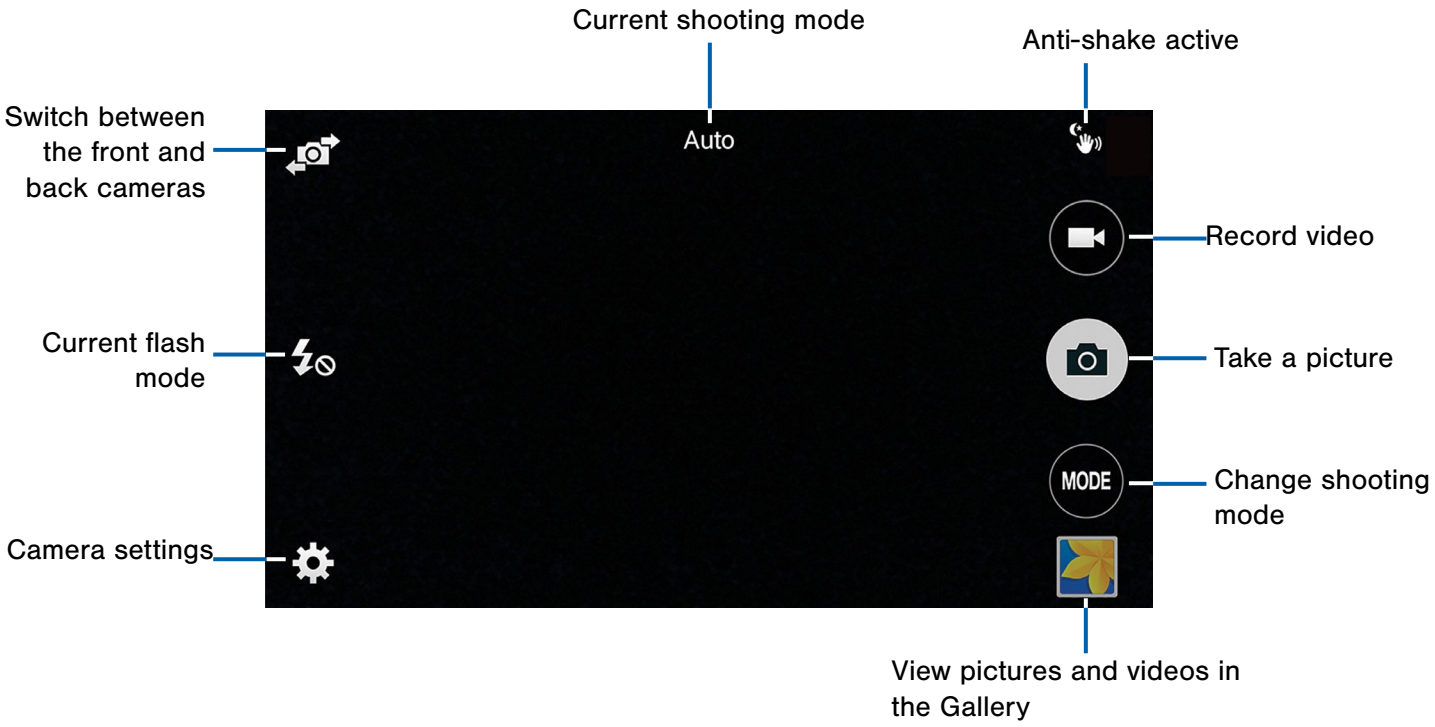
1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap to view an event or task. Tap **More options** > **Share via**, select a sharing method and follow the prompts.

Calendar Settings

These settings allow you to modify settings associated with using the Calendar.

1. From a Home screen, tap **Apps** > **Calendar**.
2. Tap **More options** > **Settings**.
3. Tap an option and follow the prompts.

Camera and Video



Taking Pictures

Take pictures with your device's front or back camera.

1. From a Home screen, tap **Apps** > **Camera**.
2. Using the display screen as a viewfinder, compose your shot by aiming the camera at the subject. While composing your picture, use the onscreen options, or these gestures:
3. Tap the screen with two fingers and pinch or spread them on the screen to zoom.
4. Tap the screen to focus on the area you touched.
5. Tap to take the picture.

Shooting Mode

Several photo effects are available. Some modes are not available when taking self-portraits.

► Tap **MODE** to display the following options:

- **Auto**: Allow the camera to evaluate the surroundings and determine the ideal mode for the photo.
- **Beauty face**: Take a photo with lightened faces for gentler images.
- **Shot & more**: Take a quick burst of photos and apply effects to them.
- **Panorama**: Take a photo composed of many photos strung together.
- **Virtual tour**: Create interactive virtual tours of your surroundings.

- **Continuous shot**: Take pictures continuously by pressing and holding the Camera button.
- **HDR (Rich tone)**: Take photos without losing details in bright and dark areas.
- **Manage modes**: Select which shooting modes to display when you tap MODE.
- **Download**: Download additional shooting modes from the Samsung Apps store.

Camera Settings

► Tap **Settings** to configure settings for Camera. Not all of the following options are available in both camera and camcorder modes. The available options vary depending on the mode used.

- **Picture size**: Select a resolution. Use higher resolution for higher quality. Higher resolution photos take up more memory.
- **ISO**: Select an ISO value. This controls camera light sensitivity. It is measured in film-camera equivalents. Low values are for stationary or brightly-lit objects. Higher values are for fast-moving or poorly-lit objects.
- **Metering modes**: Select a metering method. This determines how light values are calculated. Center-weighted measures background light in the center of the scene. Spot measures the light value at a specific location. Matrix averages the entire scene.
- **Tap to take pics**: Tap the image on the preview screen to take photos.
- **Save as**: Save the picture in HDR (rich tone) only.
- **Video size**: Select a resolution. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Recording mode**: Select Normal, Limit for email, or Fast motion mode.
- **Effects**: Add special graphical effects.
- **Flash**: Activate or deactivate the flash.
- **Timer**: Take time-delayed pictures or videos.
- **Location tags**: Attach a GPS location tag to the photo.
- **Save as flipped**: Save photos as reversed (or 'mirrored') images.
- **Storage location**: Select the memory location for storage.
- **Review pics/videos**: Set to show photos or videos after taking them.
- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations.
- **Exposure value**: Change the exposure value. This determines how much light the camera's sensor receives. For low light situations, use a higher exposure.
- **Grid lines**: Display viewfinder grid lines to help composition when selecting subjects.
- **The Volume key**: Use the Volume key as the camera key, the record key, or as a zoom key.
- **Voice control**: Set the camera to take photos with voice commands.
- **Help**: View help on using the camera.
- **Reset settings**: Reset the camera settings.

Clock

The Clock app offers features for keeping track of time and setting alarms.

1. From a Home screen, tap **Apps** > **Clock**.
2. Tap a tab to use a feature:
   - **Alarm**: Set an alarm to ring at a specific time.
   - **World clock**: View the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.
   - **Stopwatch**: Measure intervals of time.
   - **Timer**: Set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

Create an Alarm

Create an alarm event. You can set one-time or recurring alarms, and choose options for how to be notified.

1. From a Home screen, tap **Apps** > **Clock** > **Alarm** tab.
2. Tap **Create alarm** to create a new alarm.
3. Scroll down to configure:
   - **Time**: Choose a time for the alarm.
   - **Days**: Choose the days to use this alarm.
   - **Repeat weekly**: When enabled, the alarm repeats every week.
   - **Alarm type**: Choose whether the alarm will use Sound, Vibration, or Vibration and sound to alert you.
   - **Alarm tone**: If you have chosen an alarm type that includes sound, choose a sound to play for the alarm.
   - **Volume**: If you have chosen an alarm type that includes sound, drag the slider to set the volume of the alarm.
   - **Snooze**: Tap **ON/OFF** to enable or disable the snooze function. Tap Snooze to select the interval and number of times to repeat the alarm.
   - **Smart alarm**: When on, the alarm will start playing a tone at a low volume at an interval before the alarm time, and slowly increase in volume. Choose a time interval and a tone to use with smart alarm. Available when you have chosen an alarm type that includes sound.
   - **Name**: Enter a name for the alarm.
4. Tap **Save**.

Delete an Alarm

1. From a Home screen, tap **Apps** > **Clock**.
2. Touch and hold an alarm, and then tap **Delete**.

Contacts

Store and manage your contacts with the Contacts app, which can be synchronized with a variety of your existing personal accounts, including Google, Email, Facebook, and your Samsung account.

For more information on connecting with and managing your accounts through your device, see Accounts.

Managing Contacts

Access your list of contacts by using the Contacts app, which is a shortcut to the Contacts tab.

To access your Contacts list:

► From a Home screen, tap **Apps** > **Contacts**.

Finding a Contact

You can search for a contact, or scroll the list to find one by name.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Search** field, and then enter characters to find contacts that match.

   – or –

   Tap a letter on the side of the list to jump directly to that letter in the alphabetical list. You can also press and slide across the alphabetical list to select a letter with better precision.

Adding a Contact

Use the following procedure to add a new contact.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **Create contact**, and then tap contact fields to enter information.
   - Choose a storage account for the contact. You can choose **Device** to store the contact on the device, or choose an account.
   - Tap **Contact photo** to assign a picture to the new contact.
   - Enter a name, phone number, email address, and assign the contact to a group. Tap **Add another field** to add additional contact information.
     - Tap **Add** to enter additional entries.
     - Tap **Delete** to remove an entry.
     - Tap **Expand** for additional fields.
     - Tap **More** to choose a label for the field.
3. Tap **Save**.

Edit a Contact

When editing a contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to display it, and then tap **Edit**.
3. Tap any of the fields to add, change, or delete information.
4. Tap **Save**.

Share a Name Card

When you share a name card, the contact's information is sent as a vCard file (.vcf). You can share a vCard via Bluetooth or Wi-Fi Direct, attach it to a message, or save it to a storage location.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap a contact to display it, and then tap **More options** > **Share name card**.
3. Choose a sharing method and follow the prompts.

Save a Business Card as a Contact

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Business cards** > **Business card recognition**.
3. When the camera opens, center the business card in the guidelines on the screen. If the Camera can recognize the business card, it will take the picture automatically, or you can take the picture manually.
4. Your device analyzes the picture of the business card to create a new contact. You can also add more information to the contact.
5. Tap **Save**. The business card is displayed as the picture for the contact.

Note: You can view all your business cards by tapping **More options** > **Business cards**.

Link Contacts

When you have contacts from various sources, such as Gmail, Facebook, and so on, you may have multiple similar entries for a single contact. Contacts lets you link multiple entries into a single contact.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to display it, and then tap **Link**.
3. Tap **Link another contact**, and then select contact(s) to link to the original contact.
4. Tap **Done** to save the linked contact.

Unlink Contacts

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the contact to display it, and then tap **Link**.
3. Tap **Remove** beside contacts to unlink them from the main contact.

Delete Contacts

You can delete a single contact, or choose multiple contacts to delete.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Touch and hold a contact to select it. You can also tap other contacts, or choose Select all to select all contacts.
3. Tap **Delete**, and then tap **Delete** to confirm.

Contact Settings

These settings allow you to modify settings associated with using the Contacts app.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap **More options** > **Settings** > **Contacts**.
3. Tap an option and follow the onscreen instructions.

Favorites

When you mark contacts as favorites, they are easily accessible from other apps. Favorites display together on the Favorites tab in Contacts.

Mark Contacts as Favorites

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap a contact to display it, and then tap **Add to Favorites** (turns gold).

Remove Contacts from Favorites

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Favorites** tab, and then touch and hold a contact to select it. You can also tap other contacts, or choose **Select all**.
3. Tap **Remove from Favorites**.

Create a Shortcut to a Favorite

You can create a shortcut to a favorite on the home screen, to access their information directly from the home screen.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Favorites** tab, and then touch and hold a contact to select it.
3. Tap **More options** > **Add shortcut to home screen**. The new shortcut displays in an empty area of the home screen.

Groups

You can use groups to organize your contacts. Your device comes with preloaded groups, and you can create your own. You might create a group for your family, for coworkers, or a team. Groups make it easy to find contacts, and you can send messages to the members of a group.

Create a Group

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap **Create group**.
3. Tap fields to enter information about the group:
   - Tap **Create group in** to choose where to save the group. You can save it to a specific account, to the device memory, or to all accounts.
   - Tap **Group name** to enter a name for the new group.
4. Tap **Add member** and select contact(s) to add to the new group, and then tap **Done**.
5. Tap **Save**.

Rename a Group

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap a group.
3. Tap **More options** > **Edit group** and enter a new name.
4. Tap **Save**.

Add Contacts to a Group

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap a group.
3. Tap **Add**, and then tap the contact(s) you want to add.
4. Tap **Done**.

Send a Message or Email to a Group

You can send a message or email to members of a group.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab, and then tap a group.
3. Tap **More options** > **Send message or email** > **Email**.
4. Tap contacts to select them (or tap **Select all)**, and then tap **Done**.
   - You will only see group members that have email addresses in their contact records.
5. Choose an account and follow the prompts.

Delete a Group

Preset groups, such as Family, cannot be deleted.

1. From a Home screen, tap **Apps** > **Contacts**.
2. Tap the **Groups** tab.
3. Tap **More options** > **Delete group**.
4. Select groups to delete and tap **Done**.

Email

Use the Email app to view and manage all your email accounts in one application.

To access Email:

► From a Home screen, tap **Apps** > **Email**.

Configuring Email Accounts

You can configure the Email app for most accounts in just a few steps.

1. From a Home screen, tap **Apps** > **Email**.
2. Follow the onscreen instructions to set up your email account.

   – or –

   To add another email account, tap **Menu** > **Manage accounts** > **Add account**.

The device communicates with the appropriate server to set up your account and synchronize your email. When complete, your email appears in the Inbox for the account.

Note: To configure email account settings at any time, tap **More options** > **Settings**. Tap the account to display its settings.

Managing Your Email Accounts

You can view email you receive for all accounts on the **Combined view** screen or you can view email accounts individually.

1. From a Home screen, tap **Apps** > **Email**.
2. Tap **Menu** at the top left of the screen to select:
   - **Combined view**: View all email in a combined inbox.
   - **<Account Name>**: View email for only this account.

Refreshing Your Email Account

Refresh your account to update your email accounts.

1. From a Home screen, tap **Apps** > **Email**.
2. In the Application Bar, tap **Refresh**.

Removing Email Accounts

To remove an email account:

1. From a Home screen, tap **Apps** > **Email**.
2. Tap **More options** > **Settings** > **Manage accounts.**
3. If there is one email account, tap **Remove account**.

   – or –

   If there is more than one email account, tap **More options** > **Remove account**.
4. Select the account(s) you want to delete, and then tap **Done**. Tap **Remove** to confirm.

Email Settings

Use the Email Settings to configure your Email preferences.

Note: Available settings depend on the email provider.

1. From a Home screen, tap **Apps** > **Email**.
2. Tap **More options** > **Settings**.
3. Under GENERAL SETTINGS, tap an option and follow the onscreen instructions.

   – or –

   Tap **Manage accounts** and tap an account to configure specific settings.

   Available options depend on the account.

Gallery

View, edit, and manage pictures and videos.

View Images and Videos

Launching Gallery displays available folders. When another application, such as Email, saves an image, a Download folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates a Screenshots folder.

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap **Menu**, and then tap **Time** or **Album** to choose the way items display.
3. Tap **Menu** > **Album**, and then tap **More options** > **Create album** to create a new album.
4. Tap a folder to open it.
5. Tap an image or video to view it in full screen. Scroll left or right to view the next or previous image or video.

Zoom In and Out

Use one of the following methods to zoom in or out on an image:

- Double-tap anywhere on the screen to zoom in or zoom out.
- Spread two fingers apart on any place to zoom in. Pinch the screen to zoom out.

Playing Videos

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. Tap a video to view it.

Trimming Segments of a Video

1. Select a video, and then tap **Trim**.
2. Use the sliders at the bottom of the screen to trim the video. Move the start bracket to the desired starting point, move the end bracket to the desired ending point.
3. Tap **Done** to save the video.

Editing Images

► While viewing an image, tap **More options**:

- **More info**: View image details.
- **Copy to clipboard**: Place a copy on the clipboard.
- **Studio**: Edit your photo with advanced tools.
- **Rotate left**: Rotate the photo counter-clockwise.
- **Rotate right**: Rotate the photo clockwise.
- **Crop**: Resize the frame to crop the image.
- **Rename**: Rename the file.
- **Slideshow**: Start a slideshow with the images and videos in the current folder.
- **Set as**: Set the image as wallpaper or as a contact's photo.
- **Print**: Print the image via a USB or Wi-Fi connection. Some printers may not be compatible with the device.
- **Settings**: Change the Gallery settings.

Deleting Images

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. In a folder, tap **More Options** > **Delete**, select images, and then tap **Done**.

   – or –

   When viewing an single image, tap **Delete**.

Sharing Images

Use one of the following methods:

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap a folder to open it.
3. In a folder, tap **More options** > **Select**, select images, and then tap **Share via** to send them to others or share them via social network services.

   – or –

   When viewing an image full screen, tap **Share via** to send it to others or share it via social network services.

Gallery Settings

These settings allow you to modify settings associated with using your Gallery.

1. From a Home screen, tap **Apps** > **Gallery**.
2. Tap **More options** > **Settings**.
3. Tap an option and follow the onscreen instructions.
   - Tap **More options** > **Add account** to add a Samsung, Dropbox, Google, or Facebook account.

Internet

Access the Internet with a fully featured web browser.

Access the Internet

► From a Home screen, tap **Apps** > **Internet**.

Command Keys

- Tap **Backward** or **Back** key to return to the previous page.
- Tap **Forward** to go forward to a recent page.
- Tap **Homepage** to display your Internet Home screen.
- Tap **Refresh** to reload the current page.

Viewing Web Site

To view a web site:

► Tap the address field, enter the web address, and then tap **Go**.

To share, save, or print the current web page:

► Tap **More options**.

To zoom in or out:

► Tap the screen twice or pinch the screen to zoom out and stretch the screen to zoom in.

Browser Tabs

Use tabs to view multiple web pages at the same time.

► To open a new tab, tap **Window manager** > **New window**.

- Tap **Window manager**, and select a different tab to view it.
- To close a tab, tap **Window manager** and tap **Close**.

Bookmarks

- To bookmark the current web page, tap **Bookmarks** > **Add bookmark**.
- To open a bookmarked web page, tap **Bookmarks** and tap an entry.

History

► Tap **Bookmarks** > **History** tab to view a list of recently visited web pages.

Saved Pages

To save a web page

- Tap **More options** > **Save page**.

To view a list of saved web pages:

- Tap **Saved pages**.

Sharing Pages

► To share a web page address with others, tap **More options** > **Share via** and follow the prompts.

Incognito Tabs

Pages viewed with incognito tabs do not appear within your browser history or search history, and leave no traces (such as cookies) on your device.

Note: Any downloaded files will remain on your device after you close the incognito tab.

Incognito tabs display **Incognito** in the **Tab manager**.

1. Tap **More options** > **Incognito mode**.
2. To open a new incognito tab, tap **More options** > **New incognito tab**.

Internet Settings

These settings allow you to modify settings associated with using the Internet app.

1. From a Home screen, tap **Apps** > **Internet**.
2. Tap **More options** > **Settings**.
3. Tap an option and follow the onscreen instructions.

Memo

Use this application to record important information to save and view at a later time.

► From a Home screen, tap **Apps** > **Memo**.

Composing a Memos

The following options are available while composing a memo:

- Tap **Create memo**, enter a memo, and then touch **Save**.
- To change the category, tap **Add category**.
- To insert an image into the memo, tap **Insert image**.
- To use your voice to insert text into the memo, tap **Record**.

Browsing Memos

- Browse memo thumbnails by scrolling up or down.
- To edit a memo, touch a memo thumbnail, and then tap the content of the memo.
- To search for a memo, tap **Search**.

Managing the Category List

To edit the category list:

► Tap > **Manage categories**.

Memo Options

To delete memos:

► Tap **More options** > **Delete**.

To change the sync settings:

► Tap **More options** > **Account**.

Viewing a Memo

► Touch the memo thumbnail to open it.

- To edit the memo, touch the content of the memo.
- To delete the memo, touch **More options** > **Delete**.
- To send the memo to others, touch **More options** > **Share via**.

Messages

Learn how to send and receive different messages using the default messaging app on your phone.

Types of Messages

Your default Messaging app provides the following message types:

- Text Messages (SMS)
- Multimedia Messages (MMS)

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type.

Creating and Sending Messages

This section describes how to create a send a message using the Messages app.

1. From a Home screen, tap **Messages** > **Compose**.
2. Tap the **Enter recipients** field to manually enter a recipient or tap **Add Recipient** to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Recent.
3. If adding a recipient from your Contacts, tap the contact to place a check mark then tap **Done**. The contact will be placed in the recipient field.
4. Enter additional recipients by separating each entry with a semicolon (;) and then using the previous procedure. More recipients can be added at any time before the message is sent.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added.

5. Tap the **Enter message** field and enter a message. For more information, please see Entering Text.
6. Tap **Add emoticons** to choose an available emoticon from an onscreen list and then add it into your message (at the cursor location) if desired.
7. Review your message and tap **Send**.

Note: If you exit a message before you send it, the message is automatically saved as a draft.

Viewing New Messages

When you receive a new message, a new message icon appears on the Status Bar.

To view the message:

1. Open the Notification Panel and select the message. For more information, please see Notification Panel.

   – or –

   From a Home screen, tap **Messages**, and then tap the new message to view it.

2. To play a multimedia message (audio or video), tap **Play**.

3. To scroll through the list of messages, tap the screen and scroll up or down the page.

Deleting Messages

To delete messages, follow these steps:

1. From a Home screen, tap **Messages**.

2. Tap **More options** > **Delete**.

3. Tap each message you want to delete or tap **Select all**.

4. Tap **Done**.

5. At the **Delete conversations** prompt, tap **OK** to delete or **Cancel** to cancel.

Message Search

1. You can search through your messages by using the Message Search feature.

2. From a Home screen, tap **Messages**.

3. Tap **Search**.

4. Enter a word or phrase to search for, and then tap **Search** on the keyboard.

Messages Settings

Configure the settings for text messages, multimedia messages, voicemail, and push messages.

► From a Home screen, tap **Apps** > **Messages** > **More options** > **Settings**.

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS) which may also be known as the Personal Localized Alerting Network (PLAN). For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- Alerts issued by the President
- Alerts involving imminent threats to safety of life (Extreme and Severe)
- AMBER Alerts (missing child alert)

Users may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts. Alerts issued by the President cannot be disabled.

To disable Imminent Threats and AMBER Alerts:

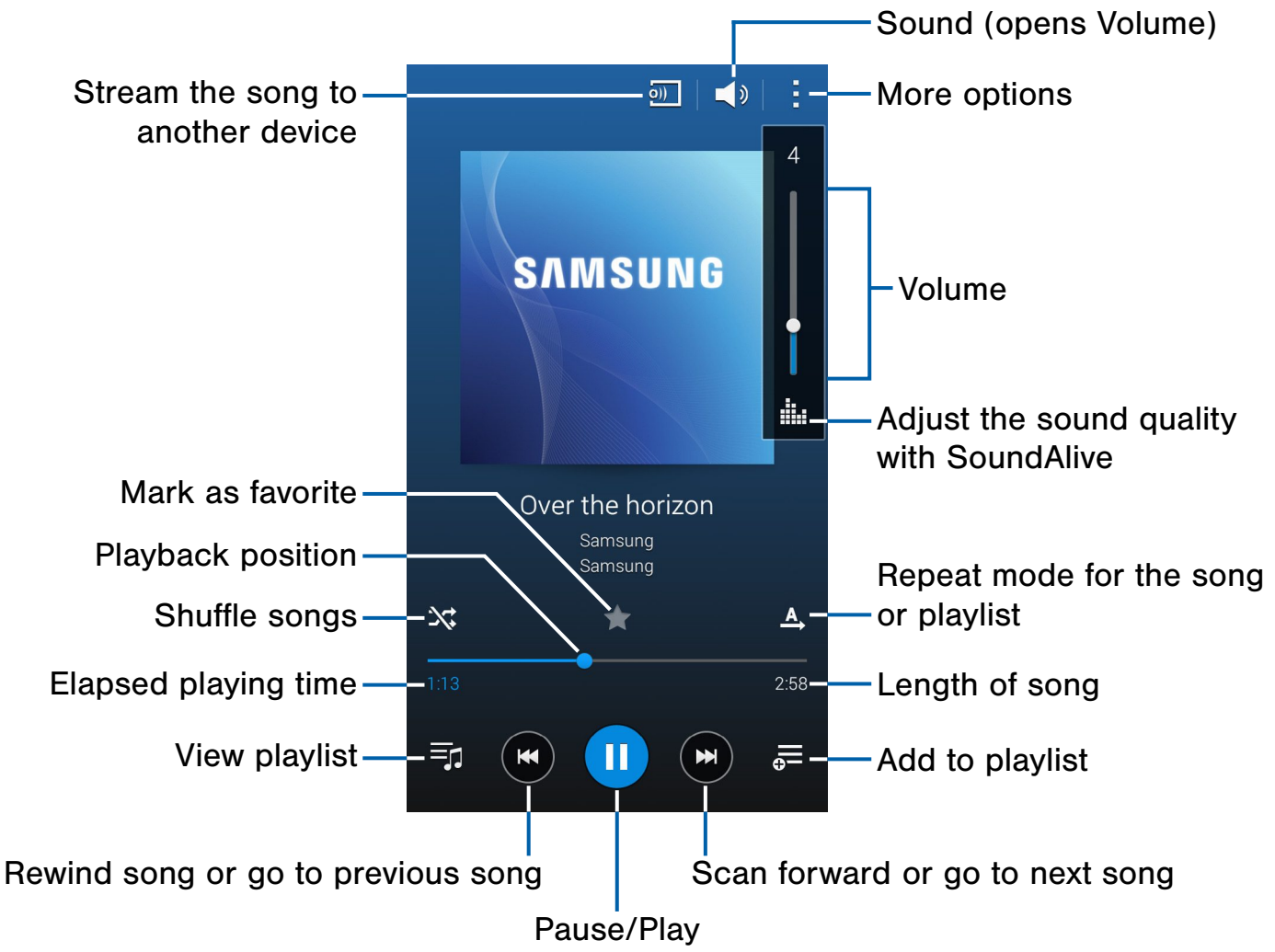
1. From a Home screen, tap **Messages**.

2. Tap **More options** > **Settings** > **Emergency alerts**.

3. Tap **Emergency alerts**.

4. All alerts are enabled by default (check mark showing). Tap an alert option to disable it.

Music Player



Listen to your favorite songs with the Music player. Navigate through your music library, play songs, and create customized playlists.

Listen to Music

1. From a Home screen, tap **Apps** > **Music.**
2. Tap a library category at the top of the screen to view your music files.
3. Scroll through the list of songs and tap an entry to begin playback.

My Files

Access files stored on your device, including images, videos, songs, and sound clips.

View Files

Files stored in the device are organized into the following groups:

- **Quick Search**: Files are grouped into the following categories:
  - **Recent files**: View recently saved files.
  - **Images**: View image files.
  - **Videos**: View video files.
  - **Audio**: View audio files.
  - **Documents**: View document files.
  - **Downloaded apps**: View downloaded apps.
- **Download History**: View all apps and files that have been downloaded to the device.
- **Shortcuts**: Contains shortcuts to files or folders that you have added. This option only appears if you have added shortcuts to the My Files main screen.
- **Local Storage**: View folders and files in their storage locations.
  - **Device storage**: View folders and files located on the device.
  - **SD card**: View folders and files located on the memory card (if installed).
- **Cloud Storage**: Contains shortcuts to FTP servers or other cloud storage locations that you have added or storage services that are available on your device.

To view files in My Files:

1. From Home, tap **Apps** > **My Files**.
2. Tap a category to view the relevant files or folders.
3. Tap a file or folder to open it.

My Files Options

On the main screen of My Files, the following options are available:

► Tap **Search**, and then enter search criteria.

► Tap **Storage usage** to view memory information for your device and memory card (if installed).

► Tap **More options** for these options:

- **Select**: Select shortcuts. This option only appears if you have added shortcuts to the My Files mains screen.
- **Delete**: Select and delete files or folders. This option only appears if you have added shortcuts to the My Files main screen.
- **Add shortcut**: Add a shortcut on the My Files main screen to any folder.
- **Add FTP server**: Add an FTP server shortcut on the My Files main screen.
- **Scan for nearby devices**: Search for devices that have media sharing activated.
- **Settings**: Change the settings for viewing files.

Category Options

After tapping on a category, the following options are available:

- Tap **Home** to return to the main screen of the My Files app.
- Tap **Search**, and then enter search criteria.
- Tap **More options** to find the following options:
  - **Select**: Select files or folders.
  - **Delete**: Select and delete files or folders.
  - **Create folder**: Add a folder to the current list. This option only appears in Local Storage categories.
  - **View as**: Change the appearance of the files or folders.
  - **Sort by**: Change the sort order of the files.
  - **Add shortcut**: Add a shortcut to the current location on either a Home screen or the My Files main screen. This option only appears in Local Storage categories.
  - **Settings**: Change the settings for viewing files.

Options for Selected Files and Folders

- Tap **More options** > **Select**, select a file or folder, and then use one of these functions:

  Share via: Send files to others or share them.

  Delete: Delete files or folders.

- Tap **More options** for additional options:
  - **Move**: Move files or folders to another folder.
  - **Copy**: Copy files or folders to another folder
  - **Rename**: Rename a file or folder. This option only appears when just one file or folder is selected.
  - **Zip**: Create a zip folder containing the selected files. This option only appears in Local Storage categories. A selected zip folder has the additional options of **Extract** and **Extract to current folder**.
  - **Details**: View details of the selected file(s) or folder(s).

S Health

Use S Health to plan, track, and manage your health goals and activities, including exercise, sleep, and meals.

Note: This device and related software are not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment or prevention of disease.

1. From a Home screen, tap **Apps** > **S Health**.
2. Read and accept the terms and conditions.
3. Set up your health profile and goals.

Before You Start Exercising

This app can be used to monitor your exercise. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

- Heart disease;
- Asthma or lung disease;
- Diabetes, or liver or kidney disease;
- Arthritis.

You should also check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity;
- Dizziness or loss of consciousness;
- Shortness of breath with mild exertion or at rest, or when lying down or going to bed;
- Ankle swelling, especially at night;
- A heart murmur or a rapid or pronounced heartbeat;
- Muscle pain when walking upstairs or up a hill that goes away when you rest.

Finally, the American College of Sports Medicine recommends that you see your doctor before engaging in vigorous exercise if two or more of the following apply:

- You are a man older than age 45 or a woman older than age 55;
- You have a family history of heart disease before age 55;
- You smoke or quit smoking in the past six months;
- You have not exercised for three months or more;
- You are overweight or obese;
- You have high blood pressure or high cholesterol.
- You have impaired glucose tolerance, also called prediabetes.

When in Doubt — Check It Out

If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program. Working with your doctor ahead of time is a good way to plan an exercise program that is right and safe for you. Consider it the first step on your path to physical fitness.

S Voice

Speak commands to perform operations on your device, and to speak criteria for searches and other operations.

Use S Voice to find everything from directions to trivia answers to the current weather forecast.

1. From a Home screen, tap **Apps** > **S Voice**.
2. Speak a command.
3. Tap the microphone icon if the device does not hear you, or to give it another command.

Tip: Tap **More options** for example commands and to view a tutorial.

S Voice Settings

These settings allow you to modify settings associated with using S Voice.

1. From a Home screen, tap **Apps** > **S Voice**.
2. Tap **More options** > **Settings**.
3. Tap an option and follow the onscreen instructions.

Samsung Apps / Galaxy Apps

Samsung Apps is now Galaxy Apps. When you access Samsung Apps, GALAXY Apps will be installed on your device.

Samsung GALAXY Apps provides a quick and easy way to find and download apps that are compatible with your Galaxy device.

GALAXY Essentials is a collection of specially chosen applications available through Samsung Apps.

From GALAXY Essentials, you can access and download a collection of premium content, free of charge.

To access the Samsung GALAXY Apps website:

► From a Home screen, tap **Apps** > **GALAXY Apps**.

To access GALAXY Essentials:

1. Swipe across the GALAXY Apps screen and then tap **GALAXY Essentials**.

   – or –

   Swipe across the Home screens and locate and tap the GALAXY Essentials widget.

2. Follow the onscreen instructions to download GALAXY Essential apps specially chosen from Samsung Apps.

Note: A Samsung account is required to purchase and download apps.

Smart Remote

Smart Remote lets you control select Wi-Fi-enabled Samsung TV models using your Samsung Galaxy device.

Now you can control all of your TV's settings, such as ON/OFF function, channel navigation, and volume control from the same Samsung device you already know.

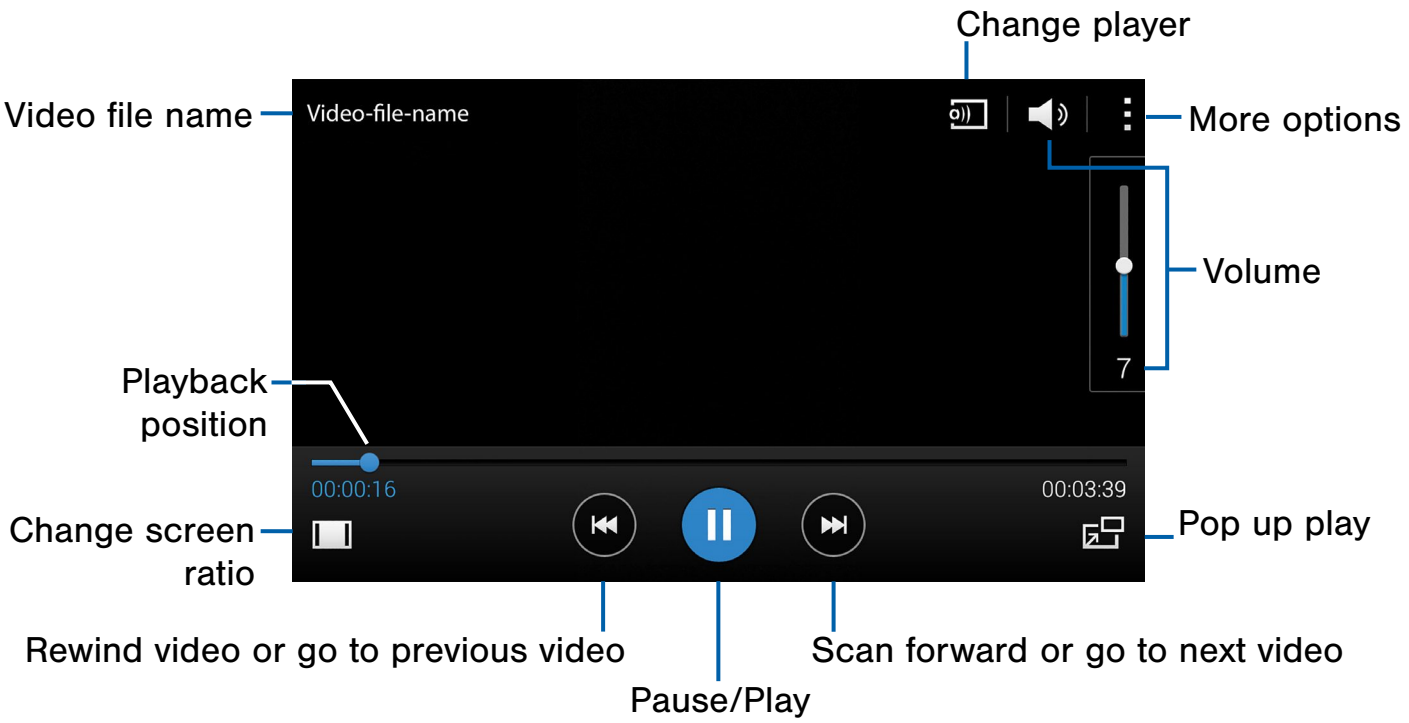
1. From a Home screen, tap **Apps** > **Smart Remote**.
2. Follow the onscreen instructions to set up and configure your entertainment equipment.

Studio

Use Studio editing tools to add effects to pictures and edit movies in the Gallery.

1. From a Home screen, tap **Apps** > **Studio**.
2. The following Studios are displayed:
   - **Photo Studio**: Improve the quality of your pictures by adjusting the brightness, contrast, and so on. Crop and rotate your pictures, add effects, decorations, and more.
   - **Collage Studio**: Create collages using multiple pictures.
   - **Shot & more**: Edit and fine tune pictures you've taken with the Shot & more shooting mode.
   - **Video clip studio**: Create video using multiple video clips. Add background music and visual effects to your videos.
3. **Video trimmer**: Use the left and right slider controls to set new starting and ending points for your video.

Video Player



Play and manage videos stored on your device.

To access video:

1. From a Home screen, tap **Apps** > **Video**.
2. Scroll through the videos stored on your device. After a few seconds, each video thumbnail begins playing a preview of the clip.
3. Tap a video to view it.

Use Pop-Up Play

Multi task with Pop-Up Play—transform your video player into a pop-up window. The video will continue to play, and the pop-up window can be resized or moved anywhere on the screen.

1. From a Home screen, tap **Apps** > **Video**.
2. Tap a video to view it.
3. Tap to continue playing the video in a floating window.
   - Drag the window to any location on the screen.
   - Use two fingers to pinch or spread to resize the floating window.

Voice Recorder

Record voice memos and notes.

Create a Voice Recording

► From a Home screen, tap **Apps** > **Voice Recorder**.

- Tap **More options** > **Settings** > **Recording quality** to adjust the recording quality.
- Tap **Select mode** to choose the appropriate recording mode:
  - **Normal**: This recording mode picks up any sounds detected by the microphones.
  - **Interview**: The microphone is sensitive to sounds from one direction, only picking up sounds from the microphone on the top of the device.
  - **Conversational**: The top and bottom microphones are used for two-directional recording. The top and bottom of the device pick up equal amounts of sound. Microphones can be muted during recording and playback.
  - **Voice memo**: Voice input is converted to text on screen. The maximum recording time is five minutes.
- Tap **Record** to record an audio file.
- Tap **Stop** to stop recording. The file is automatically saved.
- Tap **Pause** to pause the recording of an audio file.
- Tap **Cancel** to cancel the recording of an audio file.

View Recordings

1. From a Home screen, tap **Apps** > **Voice Recorder**.
2. Tap **List** to display a list of recordings.
   - Tap **Search** to search through available recordings.
   - Tap **Delete** to delete one or more voice recordings.
   - Tap **More options**:
     - **Select**: Choose desired recordings.
     - **Sort by**: Sort the list of recordings.
     - **Filter by category**: Filter entries by category.
     - **Edit categories**: Modify your categories.
     - **Settings**: Configure Voice Recorder.

Settings

Configure your device's connections and settings, add accounts, and customize the Home screen, apps, and features.

- Some options use an **ON/OFF** button to turn the option on (

) or off (

).
- For some options, you must tap a field, such as **Email address**, to display and set options.
- Some options are enabled or disabled by tapping a check box. When enabled, a check mark displays. Tap the check mark to remove it and disable the option.

How to Use Settings

Accessing Settings

► From a Home screen, tap **Apps** > **Settings**.

– or –

From a Home screen, drag down from the Status Bar to display the Notification panel, and then tap **Settings**.

Search for Settings

If you are not sure exactly where to find a certain setting, you can use the Setting search feature.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Search**.
   - Enter a word or words in the Search box. As you type, settings that match will appear on the screen.
   - Tap an entry to go to that setting.

Customize the Quick Settings Menu

Quick settings are the settings that you are most likely to frequently use. When you first access the Settings menu, the Quick settings are set to a default list of settings.

Changing the Quick Settings

You can change the Quick settings list to include your most frequently used settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **More options** > **Edit quick settings**.
   - Select additional settings to appear in your Quick settings menu. Settings that are already in the Quick settings menu are checked.
   - Uncheck a highlighted item to remove it.
3. Tap **Done** to save your new Quick settings menu.

Change How Settings Are Listed

Settings can be listed in grid view (default), a list view, or a tab view.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **More options** > **View as**.
3. Select a new view.

Wi-Fi and Wi-Fi Direct

Wi-Fi is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to a Wireless Access Point (WAP). Wi-Fi Direct creates a direct connection between two or more devices using Wi-Fi.

Turn Wi-Fi On or Off

Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on or off.

Scan and Connect to a Wi-Fi Network

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on.
3. When Wi-Fi is first turned on, your device will automatically scan for available networks and display them.
4. Tap the network you want to connect to.
   - When you select an open network, you are automatically connected to the network. Otherwise, enter a password to connect.
   - To manually scan for networks, tap **More options** > **Scan**.

Manually Connect to a Wi-Fi Network

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on.
3. Tap **Add Wi-Fi network**.
4. Enter information about the Wi-Fi network:
   - Tap **Network SSID** to enter the name of the Wi-Fi network.
   - Tap the **Security** field and select a security option and enter your password.
   - Tap **Show advanced options**, if you need to add advanced options such as Proxy settings and IP settings.
5. Tap **Connect** to store the new information and connect to your target WAP.

Wi-Fi Status Indicators

These Status Bar icons show your current Wi-Fi connection status:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

An Wi-Fi access point is available, but you are not connected to it. It may also display if there is a communication issue with the target Wireless Access Point (WAP).

Wi-Fi Settings

The Wi-Fi settings menu allows you to set up many of your device's advanced Wi-Fi services.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on.
3. Tap **More Options** for the following:
   - **Scan**: Start another scan for nearby Wi-Fi networks.
   - **Wi-Fi Direct**: Configure a Wi-Fi Direct connection with a nearby device.
   - **Advanced**:
     - **Network notification**: Receive a notification when new Wireless Access Points (WAPs) are available.
     - **Passpoint**: Connect to passpoint-enabled Wi-Fi Access Points automatically.
     - **Sort by**: Sort Wi-Fi networks by Alphabet or Signal strength.
     - **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi.
     - **Always allow scanning**: Allow Google location service and other apps to scan for networks, even when Wi-Fi is turned off.
     - **Smart network switch**: Automatically switch between Wi-Fi and mobile networks to keep a stable Internet connection
     - **Install certificates**: Install authentication certificates.
     - **MAC address**: View your device's MAC address, which is required when connecting to some secured networks (not configurable).
     - **IP address**: View your device's IP address (not configurable).
   - **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.
   - **WPS PIN entry**: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).
   - **Help**: Learn about setting up and using Wi-Fi networks, and other settings.

Wi-Fi Direct

Wi-Fi Direct allows direct device-to-device connections via Wi-Fi, without having to connect to a Wi-Fi network.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on. Wi-Fi must be on to configure settings.
3. Tap **More options** > **Wi-Fi Direct**. Your device automatically scans for nearby Wi-Fi Direct devices, or you can tap **Scan** to start scanning.
4. After scanning for devices, select a device, and then follow the prompts to complete the connection.
   - Tap **More options** > **Multi connect** to scan for devices that support multi connect. Select the devices and follow the prompts to establish the connections.
   - To rename your device (as seen by other devices), tap **More options** > **Rename device**.

Wi-Fi Direct Status Indicator

Displays when connected to another device using Wi-Fi Direct.

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car Bluetooth systems, and Bluetooth-enabled computers, printers, and wireless devices.

Note: The Bluetooth communication range is approximately 30 feet.

Turn Bluetooth On or Off

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Bluetooth**, and then tap **ON/OFF** to turn Bluetooth on or off.

Scan for Bluetooth Devices

When you want to pair with another Bluetooth device, you can scan for nearby devices that are visible.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Bluetooth**, and then tap **ON/OFF** to turn on Bluetooth.
3. When Bluetooth is first turned on, it scans for nearby Bluetooth devices and displays them.
   - To manually perform a new scan, tap **Scan**.

Making Your Device Visible to Other Bluetooth Devices

When you make your device visible, other Bluetooth can find it in a scan and initiate pairing. You can choose the length of time your device remains visible.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Bluetooth**, and then tap **ON/OFF** to turn Bluetooth on.
3. Tap **Bluetooth** > **More options** > **Visibility timeout**.
4. Select a time period for your device to remain visible after you turn on visibility.

Review Files Received via Bluetooth

When you receive files from another device via Bluetooth, you can access them from Bluetooth settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Bluetooth** > **More options** > **Received files**.

Change Your Device's Name

Change the name others will use when pairing with your device via Bluetooth.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Bluetooth** > **More options** > **Rename device**.
3. Tap **Device name** and edit your device name.

Pair Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device.

Pairing between two Bluetooth devices is a one-time process. Once a pairing is created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Bluetooth**, and then tap **ON/OFF** to turn on Bluetooth.
3. Make sure that the target device is discoverable, so that your device can find it. Refer to the instructions that came with the device to find out how to set it to discoverable mode.
4. Tap **Scan**. Your device will start to scan for Bluetooth devices within range.
5. When you see the name of the target device displayed in the Bluetooth devices section, tap the name. Your phone then automatically tries to pair with the target device. If automatic pairing fails, enter the passcode supplied with the target device.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Disconnect a Paired Device

Disconnecting a paired device breaks the connection between the device and your device, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. From a Home screen, tap **Apps** > **Settings**.
2. Locate the paired device and tap the **Settings** icon next to it.
3. Tap **Unpair**.

Delete a Paired Device (Unpairing)

When you unpair from a Bluetooth device, the two devices will no longer recognize each other. To connect again, you'd need to pair the devices.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device, and then tap **Unpair** to delete the paired device.

Bluetooth Status Indicators

This Status Bar icon shows your current Bluetooth connection status:

Bluetooth is active.

Tethering and Wi-Fi Hotspot

Share your device's Internet connection with a computer that connects to your device using a USB cable or via Bluetooth.

Use Portable Wi-Fi hotspot to share your device's Internet connection with other devices using your device as a Portable Wi-Fi hotspot.

Connect Your Device to a Computer Using Tethering

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot**.
2. Choose a tethering method:
   - **USB tethering**: Connect the computer to the device using the USB cable, and then tap **USB tethering** to turn tethering on.
   - **Bluetooth tethering**: Pair your device with the computer using Bluetooth. Tap **Bluetooth tethering** to turn tethering on. For more information, see Bluetooth.

Use Your Device as a Portable Wi-Fi Hotspot

Note: You must have a tethering plan on your service account in order to use the Portable Wi-Fi hotspot.

Warning! Portable Wi-Fi hotspot consumes battery power and uses data service.

Turn Portable Wi-Fi Hotspot On or Off

Activate your device's Portable Wi-Fi hotspot application to allow other devices to use your device's Internet connection.

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot** > **Portable Wi-Fi hotspot**.
2. Tap **ON/OFF** to turn Portable Wi-Fi hotspot on or off.

Warning! By default, your device's Portable Wi-Fi hotspot has no security applied, and any device can connect. For more information, see Configure Portable Wi-Fi Hotspot Settings.

Connect a Device to Your Mobile Hotspot

Use the other device's Wi-Fi control to connect to your device's Portable Wi-Fi hotspot.

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot** > **Portable Wi-Fi hotspot**.
2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.
3. Activate Wi-Fi on the target device.
4. Scan for Wi-Fi hotspots and select the target device from the list.
5. On the target device, enter your device's Portable Wi-Fi hotspot password.

Allowed Device List

Control whether devices connect to your Portable Wi-Fi hotspot with the Allowed device list. After you add devices to the list, they can scan for your device and connect using your device's Portable Wi-Fi hotspot name and password.

Note: Using your device as a Portable Wi-Fi hotspot consumes battery power and uses data service. While Portable Wi-Fi hotspot is active, your device's applications will use the Portable Wi-Fi hotspot data service. Roaming while using your device as a Portable Wi-Fi hotspot will incur extra data charges.

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot** > **Portable Wi-Fi hotspot**.
2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.
3. Tap **More options** > **Allowed devices**, and then tap **Add** to enter the other device's Device name and MAC address.
4. Tap **OK** to add the device.

Change the Portable Hotspot Password

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot** > **Portable Wi-Fi hotspot**.
2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.
3. Tap > **More options** > **Configure hotspot**.
4. Tap the **Security** field, select **WPA2 PSK** and enter a new password.

Configure Portable Wi-Fi Hotspot Settings

Manage your Portable Wi-Fi hotspot security and connecting settings.

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot** > **Portable Wi-Fi hotspot**.
2. Tap **More options** > **Configure hotspot** for the following:
   - **Network SSID**: View and change the name of your Portable Wi-Fi hotspot.
   - **Hide my device**: Make your Portable Wi-Fi hotspot invisible to other Wi-Fi devices during a scan. Other devices can still connect to your Portable Wi-Fi hotspot, but will have to set up the connection manually with your Network SSID and Password.
   - **Security**: Choose the security level for your Portable Wi-Fi hotspot.
   - **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your device's phone number.
   - **Show password**: Display your password instead of masking it.
   - **Show advanced options**: Access advanced options, including Broadcast channel, and to specify the channel your device uses for Portable Wi-Fi hotspot.

Turn Off Portable Wi-Fi Hotspot Automatically

Set your device to automatically turn off Portable Wi-Fi hotspot if there are no connected device.

1. From a Home screen, tap **Apps** > **Settings** > **Tethering and Wi-Fi hotspot** > **Portable Wi-Fi hotspot**.
2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.
3. Tap **More options** > **Timeout settings** and select an amount of time.

Airplane Mode

Airplane mode disconnects your device from all networks and turns off connectivity features, such as phone calls, Wi-Fi, and Bluetooth.

While in airplane mode, you can use other features, such as playing music, watching videos, and other online applications.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Airplane mode**, and then tap **ON/OFF** to enable or disable the option.

Note: You can also control Airplane mode from the Device options menu. Press and hold the **Power/Lock key**, and then tap **Airplane mode**.

Data Usage

Monitor your mobile data usage.

Note: Your service provider may account for data usage differently.

1. From a Home screen, tap **Apps** > **Settings** > **Data usage** for options:
   - **Mobile data**: Enable mobile data. You can also control Mobile Data at the Notification panel.
   - **Set mobile data limit**: Disable your mobile data connection when the specified limit is reached. Drag the red limit line to set the data usage limit.
   - **Data usage cycle**: Tap the menu, and then choose a time period for data usage. Data usage for the period displays on the graph, along with usage by application below.
2. Tap **More options** for options:
   - **Data roaming**: Enable data roaming on your device.
   - **Restrict background data**: Restrict some apps and services from working unless you are connected to a Wi-Fi network.
   - **Auto sync data**: Set your accounts to automatically sync.
   - **Show Wi-Fi usage**: Display a Wi-Fi tab that shows Wi-Fi usage.
   - **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

Location Services

Some apps, such as Google maps, may require one or more location services be turned on for full functionality.

Locating Method

1. From a Home screen, tap **Apps** > **Settings** > **Location**.
2. Tap **ON/OFF** to turn on Location services.
3. Tap **Mode** to select how your location is determined:
   - **High accuracy**: Use GPS, Wi-Fi, and mobile networks.
   - **Power saving**: Use Wi-Fi and mobile networks (no GPS).
   - **GPS only**: Use GPS only.

Recent Location Requests

Apps that have requested your location are listed under Recent location requests.

1. From a Home screen, tap **Apps** > **Settings** > **Location**.
2. Tap **ON/OFF** to turn on Location services.
3. Tap an entry to view the app's settings.

Location Reporting

Google uses Location Reporting to store and use your device's most recent location data. Google apps, such as Google Maps, can use this data to improve your search results based on places that you have visited.

1. From a Home screen, tap **Apps** > **Settings** > **Location**.
2. Tap **ON/OFF** to turn on Location services.
3. Tap **Google Location Reporting** for options:
   - **Location Reporting**: Allow Google apps to use your device's most recent location data.
   - **Location History**: Allow Google to store a history of your location data. Tap **DELETE LOCATION HISTORY** to permanently delete your location history.

My Places

You can save your favorite locations for use with services that require location information. This information can improve your search results and other location-related activities.

1. From a Home screen, tap **Apps** > **Settings** > **Location**.
2. Tap **ON/OFF** to turn on Location services.
3. Tap **My places**.
4. Tap a category (Home, Work, or Car) to add a location:
   - Tap **Add** to add additional categories.
   - Tap **More options** > **Delete** to delete a custom category. Home, Work, and Car cannot be deleted.

More Networks

The More Networks settings allow you to configure a variety of communication settings for your device.

Set the Default Messaging App

Your mobile device can be equipped with more than one application for text and multimedia messaging. To select a default messaging app:

1. From a Home screen, tap **Apps** > **Settings.**
2. Tap **More networks** > **Default messaging app** to select the app to use for text and multimedia messages.

Configure Mobile Networks

You can control your device's access to networks and mobile data services as follows:

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **More networks** > **Mobile networks** for options:
   - **Mobile data**: Allow your device to connect to a mobile data network.
   - **Data roaming**: All your device to connect to data services while roaming. Significantly higher charges may result.
   - **Network mode**: Choose a preferred network mode.
   - **System select**: Choose mode for CDMA roaming.

Virtual Private Networks (VPNs)

You can set up and configure Virtual Private Networks on your device.

Note: You must set a screen lock PIN or password before setting up a VPN. For more information, see Lock Screen.

Adding a VPN

1. From a Home screen, tap **Apps** > **Settings** > **More networks** > **VPN**.
2. Tap **Add**, enter your log in information, and tap **Save**.

Edit or Delete a VPN

1. From a Home screen, tap **Apps** > **Settings** > **More networks** > **VPN**.
2. Touch and hold the VPN that you want to edit or delete.
3. Tap either **Edit network** or **Delete network**.

Sharing Files with NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC:

1. From a Home screen, tap **Apps** > **Settings** > **NFC**.
2. Tap **ON/OFF** to turn NFC on.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From a Home screen, tap **Apps** > **Settings** > **NFC**.
2. Tap **ON/OFF** to turn NFC on.
3. Tap **Android Beam**, and tap **ON/OFF** to turn on the feature.
4. Touch the back of your device with another NFC-capable device and the content is transferred.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together.

You can beam images and videos from your Gallery, music files from your Music app, and more.

1. From a Home screen, tap **Apps** > **Settings** > **NFC**.
2. Tap **ON/OFF** to turn NFC on.
3. Tap **S Beam**, and tap **ON/OFF** to turn on the feature.
4. Touch the back of your device with another NFC-capable device and the content is transferred.

Tap and Pay

Tap and pay allows you to select the default payment application you want to use for making on-phone purchases.

1. From a Home screen, tap **Apps** > **Settings** > **NFC**.
2. Tap **ON/OFF** to turn NFC on.
3. Tap **Tap and pay**.
4. Select the app that you want as your default.

Nearby Devices

Share your media files with nearby devices via Wi-Fi, Wi-Fi Direct, or Mobile Hotspot.

Warning! If file sharing is enabled, other devices can access your data. Use this option with care.

1. From a Home screen, tap **Apps** > **Settings** > **Nearby devices**.
2. Tap **ON/OFF** to enable Nearby devices.
3. Set the following options:
   - **Content to share**: Select the content to share. Choices are: Videos, Photos, and Music.
   - **Allowed devices**: Indicate the devices accessible to your device.
   - **Denied devices**: Indicate devices not allowed access to your device.
   - **Download to**: Allow downloading of data to your device or optional SD card (not included).
   - **Receive files from other phones**: Warn if a device attempts to upload data to your device.

Printing

Print images and documents to Samsung printers and other compatible printers (not included).

1. From a Home screen, tap **Apps** > **Settings** > **Printing**.
2. Tap a print service and follow the prompts.

Note: Tap **Download plug-in** to install additional print service drivers.

Screen Mirroring

Share Your Device's Screen with Another Device.

1. From a Home screen, tap **Apps** > **Settings** > **Screen Mirroring**.
2. Tap **ON/OFF** to enable Screen Mirroring. Available devices are listed.
   - Tap **Scan** to find more devices.
3. Tap a device and follow the prompts to connect.

Sound

Configure the sounds and vibrations used to indicate notifications, screen touches, and other activities.

Change the Sound Mode

You can switch between sound modes, while preserving the individual sound settings you have made.

Tip: Sound modes are also available from the Device options menu. Press and hold the **Power/Lock** key, and then choose Mute, Vibrate, or Sound from the Device options.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Sound mode**, and then choose a mode:
   - **Sound**: Your device uses the sounds, vibrations, and volume levels you have chosen in Sound settings for notifications and alerts.
   - **Vibrate**: Your device vibrates for notifications and alerts. This uses the Vibration intensity you choose in Sound settings.
   - **Mute**: Your device plays no sounds or vibrations. Onscreen reminders will still occur.

Adjust the Volume

Set the system volume level, and set default volume for call ringtones, notifications, and other media.

Tip: You can also set System volume from the home screen by pressing the **Volume** key.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Volume**, and then drag the sliders to set the default volume for:
   - Ringtone
   - Music, video, games and other media
   - Notifications
   - System

Select a Default Ringtone

Choose from preset ringtones or add your own.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Ringtones**.
3. Tap a ringtone hear a preview, and then tap **OK** to set it as your default ringtone.

   – or –

   Tap **Add** to use an audio file as a ringtone.

Select a Default Vibration Pattern

Choose from preset vibration patterns or create your own pattern.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Vibrations**.
3. Tap a pattern to preview it, and then tap **OK** to set it as your default vibration pattern.

   – or –

   Tap **Create** and follow the prompts to create a new vibration pattern.

Change the Notification Sound

Choose a sound for notifications, such as for new messages and event reminders.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Notifications**.
3. Tap a sound to preview it, and then tap **OK** to set it as your default notification sound.

Vibrate When Ringing

Your device can vibrate in addition to ringing when you receive a call.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Vibrate when ringing** to turn the feature on.

Play Tones When Entering a Phone Number

Play tone when the dialing keypad is tapped.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Dialing keypad tone** to turn the feature on.

Play Tones When Touching or Tapping the Screen

Play tones when you touch or tap the screen to make selections.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Touch sounds** to turn the feature on.

Set the Screen Lock Sound

Play a sound when you unlock the screen.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Screen lock sound** to turn the feature on.

Select an Emergency Tone

Set an alert tone or vibration when receiving an emergency message.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Emergency tone** and select Off, Alert, or Vibrate.

Play a Sound When Using the Samsung Keyboard

Play a sound when typing on the Samsung Keyboard.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Sound when tapped** to turn the feature on.

Set Notification Sounds for Samsung Applications

Choose notification alerts for new messages, email, and calendar events.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** for options (under **Samsung Applications**):
   - **Call**: Customize notifications and alerts for phone calls.
   - **Messages**: Customize messaging notifications and alerts.
   - **Email**: Configure your email account notifications.
   - **Calendar**: Configure your event notifications.

Music Effects

Select a default music effects control panel to use when playing music on your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Sound** > **Music effects** and select a music effects control panel.

Display

Adjust the Screen Brightness

Adjust the screen brightness to suit your surroundings or personal preference. You may also want to adjust screen brightness to conserve battery power.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Brightness** for options:
   - Tap **Automatic brightness** to allow the device to adjust brightness automatically.
   - To set a custom brightness level, clear the Automatic brightness check mark and then touch and drag the **Brightness level**.

Note: You can also control Brightness from the Notification panel. Drag down the Status Bar at the top of the screen to find the Brightness options.

Change the Font Style and Size

You can set the font style and size for all text that displays on the screen.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Font** to choose a Font style and Font size.
   - Tap **Font style** > **Download** to find new fonts from the Google Play Store.

Automatically Rotate the Screen

Use the front camera to rotate the screen based on the orientation of your face.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Screen rotation**
3. Tap **ON/OFF**, and then tap **Smart rotation** to turn the feature on.

Smart Stay

Using the front camera to detect your face, the screen will not time out as long as you are facing the screen.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Smart stay** to turn the feature on.

Set the Screen Timeout Delay

Choose how long the display screen remains lit after you tap the screen or press any key.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Screen timeout**, and then choose a time period.

Select a Screen Mode

Choose a screen mode to match your type of viewing. You can choose to have the device automatically adapt the display depending on the type of image being displayed, and other criteria such as battery level.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Screen mode**, and then choose a screen mode.
   - To have your device automatically optimize the display to match the type of image being displayed and other criteria, such as battery level, tap **Adapt display**.

     – or –

     Choose a specify type of screen mode based on what your are viewing.

Auto Adjust the Screen Tone

Your device will analyze the images displayed on the screen and automatically adjusts the brightness to conserve battery power.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Auto adjust screen tone** to turn the feature on.

Daydream (Screen Saver)

The Daydream setting controls what the screen displays when the device is docked (dock not included), or while charging. You can choose to display colors, or display photos stored on your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Daydream**. Tap **ON/OFF** to turn Daydream on. Configure options:
   - **Colors**: Tap the selector to display a changing screen of colors.
   - **Flipboard**: Display pictures from Flipboard. Tap **Settings** for options.
   - **Google Photos**: Display pictures from your Google Photos account. Tap **Settings** for options.
   - **Photo Frame**: Display pictures in a photo frame. Tap **Settings** for options.
   - **Photo Table**: Display pictures in a photo table. Tap **Settings** for options.
3. Tap **Preview** to see a demonstration of Daydream.

Configure the LED Indicator

Select which functions (such as charging or low battery) the LED indicator on the front of the device will display.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **LED indicator** for options.

Set the Touch Key Light Duration

Set the length of time the **Recent apps key** and **Back key** remain lit after you touch them.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Touch key light duration** to choose a timeout period.

Increase the Touch Sensitivity of the Screen

Increase the sensitivity of the touch screen to improve results when wearing gloves.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Display** > **Increase touch sensitivity** to turn the feature on.

Wallpaper

Change the look of the home and lock screens with wallpaper.

You can display a favorite picture, or choose from preloaded wallpapers.

1. From a Home screen, pinch the screen.

   – or –

   Touch and hold an empty space on the screen.

2. Tap **Wallpaper**, and then choose **Home screen**, **Lock screen**, or **Home and lock screens**.

3. Tap a wallpaper to see a sample, and then tap **Set wallpaper**.

   - Tap **More images** to select an image from Dropbox, Gallery, Photos, or other location (if available).
   - Tap **Bubbles** or **Phase beam** for animated wallpaper. (Animated wallpaper consumes additional battery power).
   - Tap **Travel wallpaper** to see recommended travel destinations (Lock screen only).

Lock Screen

Choose a method for unlocking your screen. Different screen locks have different levels of security and options.

Set a Screen Lock

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Lock screen**
3. Tap **Screen lock** to select a screen lock and level of security:
   - **Swipe**: Swipe the screen to unlock it. This option provides no security.
   - **Pattern**: A screen unlock pattern is a tap gesture you create and use to unlock your device. This option provides medium security.
   - **PIN**: Select a PIN to use for unlocking the screen. This option provides medium to high security.
   - **Password**: Create a password for unlocking the screen. This option provides high security.
   - **Fingerprint**: Use fingerprint recognition to unlock the screen. This option provides medium to high security.
   - **None**: Never use a screen lock.

Screen Lock Options

All Screen Locks

- **Dual clock**: Display a dual clock on your Lock screen when roaming.
- **Clock size:** Select the size of the clock that will appear on your Lock screen.
- **Show date**: Display the date on the Lock screen.
- **Camera shortcut**: Display a camera shortcut on your Lock screen.
- **Owner Information**: Show owner information on the Lock screen.
- **Additional information**: Display Weather information or the step count when Pedometer in S Health is turned on.

Swipe Only

- **Unlock effect**: Set the visual effect used when unlocking the screen.
- **Help text**: Show help information on unlocking the screen on the Lock screen.

Pattern Only

- **Pattern type**: Select a pattern type.
- **Make pattern visible**: Display the pattern as your draw it.
- **Vibration feedback**: Vibrate when the unlock pattern is entered incorrectly.

Pattern, PIN, and Password

- **Lock automatically**: Set the amount of time to pass after the screen is turned off before locking the screen.
- **Lock instantly with power key**: Check this box to lock the screen once the **Power** key is pressed.

Notification Panel Settings

Customize which Quick setting buttons appear on the Notification Panel.

You can also customize which apps appear on the Recommended applications menu on the Notification pane when you perform certain actions, such as plugging in earphones.

1. From a Home screen, tap **Apps** > **Settings** > **Notification panel**.

   – or –

   From the Notification panel, tap **View all** > **Edit**.

2. Tap **Notification panel** for options:

   - Tap **Brightness adjustment** to be able to adjust the screen brightness from the Notification Panel.
   - Tap **Recommended applications** to show selected apps on the Notification Panel after certain actions, such as connecting earphones. Tap **ON/OFF** to turn the feature on.

To customize which quick setting buttons appear at the top of the Notification Panel:

► Tap and drag buttons to reorder them.

To use the default layout:

► Tap **Reset**.

Recommended Applications

When you perform certain actions, such as plugging in earphones, the Notification panel can display shortcut to your favorite related apps, such as Music Player or Google Play Music.

1. From a Home screen, tap **Apps** > **Settings** > **Notification panel**.
2. Tap **Recommended applications**.
3. Tap **ON/OFF** to turn the feature on.
   - To customize which shortcuts appear on the Recommended apps menu, tap **Edit**.

Toolbox

The Toolbox is a floating shortcut menu that displays on every screen, giving you quick access to your favorite apps.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Toolbox**. Tap

ON/OFF to enable.
3. Tap **Edit** to choose up to five apps to display in Toolbox.

Easy Mode

View your Home screen using the default layout or provide an easier user experience for the first-time smartphone users using Easy mode.

1. From the Home screen, tap **Apps** > **Settings**.
2. Tap **Easy mode**.
   - Tap the **Easy mode** radio button, and **Done** to activate it.
   - Scroll down to see the applications that have an Easy mode version. Tap any application to uncheck it if you want the standard layout for that application.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities.

Note: You can download additional accessibility applications from the Google Play Store.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Accessibility** for options:

Vision

- **TalkBack**: Speak feedback aloud to help blind and low-vision users.

  TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

- **Dark screen**: Keep the screen turned off at all times for privacy.
- **Rapid key input**: Release your finger to enter selection instead of double tapping.
- **Speak passwords**: Read the characters aloud as you enter your passwords.
- **Font size**: Set the font size.
- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Notification reminder**: Play a beep when a notification for a call, message, and so on, has been missed.
- **Negative colors**: Reverse the display of onscreen colors from White text on a Black background to Black text on a White background.
- **Color adjustment**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color. Tap **Color adjustment** for options.
- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps. Tap **ON/OFF** to turn the feature on.
- **Text-to-speech options**: Set your preferred TTS engine and options. For more information, see Text-To-Speech Options.

Hearing

- **Flash notification**: Set your camera light to blink whenever you receive a notification.
- **Turn off all sounds**: Turn off all sounds including receiver voice.
- **Hearing aids**: Improve the sound quality of your device for use with hearing aids.
- **Samsung subtitles (CC)**: Use Samsung subtitles with multimedia files when available Tap Samsung subtitles (CC) for options.
- **Google subtitles (CC)**: Use Google subtitles with multimedia files when available. Tap Google subtitles (CC) for options.
- **Sound balance**: Use the slider to set the Left and Right balance when using a stereo device.
- **Mono audio**: Switch audio from stereo to mono for use with one earphone.

Dexterity and Interaction

- **Assistant menu**: Improve the device accessibility for users with reduced dexterity.
- **Press and hold delay**: Select a time interval for this tap gesture.
- **Interaction control**: Enable motions and screen timeout. You can also block areas of the screen from tap interaction.

More Settings

- **Direct access**: Open your accessibility settings by pressing the Home Key three times in quick succession.
- **Answering/ending calls**: Select options for answering and ending calls by pressing keys and/or using voice control.
- **Single tap mode**: Tap to stop/snooze alarms and calendar events.
- **Manage accessibility**: Export your accessibility settings and share them with another device.

Services

Additional accessibility apps may be downloaded from the Google Play Store. Certain accessibility services you install may be configured here.

Blocking Mode

Turn off notifications for selected features.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Blocking mode**. Tap **ON/OFF** to turn the feature on.
3. Configure options:
   - Tap **Block incoming calls** to block incoming phones calls.
   - Tap **Turn off notifications** to block all notifications.
   - Tap **Turn off alarm and timer** to block all alarms.
   - Tap the **Always** field to enable or disable Blocking Mode at all times. When **Always** is disabled, you can configure the **From** and **To** time fields to define a range of hours each day to turn on Blocking Mode.
   - Tap **Allowed contacts** to configure the contacts for whom call and message notifications still appear even when Blocking Mode is enabled. You can select:
     - **None**: Block notifications from all contacts.
     - **All contacts**: Allow notifications from all contacts.
     - **Favorites**: Allow notifications only from contacts that are marked as Favorites.
     - **Group**: Allow notifications only from contacts in specific groups.
     - **Custom**: Create a custom list of contacts for whom notifications will appear when Blocking Mode is enabled.

Note: When Blocking Mode is enabled, ⊖ displays in the Status Bar.

Private Mode

Hide personal content from being accessed by anyone else using your device.

Private mode is only available for certain applications.

Note: A secure screen lock (Pattern, PIN, Fingerprint, or Password) is required to use Private Mode.

Set Up Private Mode

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Private mode**.
3. Follow the prompts to learn about and set up Private mode.

Finger Scanner

Use fingerprint recognition as an alternative to entering passwords in certain apps.

You can also use your fingerprint to verify your identity when logging in to your Samsung account.

Register a Fingerprint

You can register up to 3 fingerprints. A password will also set up as an alternative to your fingerprint.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Finger Scanner** > **Fingerprint manager**.
   - If no fingerprints are registered, the manager automatically opens the **Register fingerprint** screen. To register another fingerprint, tap **Add** and follow the instructions to register a fingerprint and password.
   - To rename a fingerprint, touch and hold the fingerprint, and then tap **Rename**.
   - To delete a fingerprint, touch and hold the fingerprint, and then tap **Delete**.

Change Your Alternative Password

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Finger Scanner** > **Change alternative password**.
3. Enter your fingerprint or password.

Additional Settings

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Finger Scanner** for options.
   - **Screen lock**: Change your Screen lock and access Screen lock settings. For more information, see Lock Screen.
   - **Verify Samsung account**: Verify your identity using your fingerprint when logging in to your Samsung account.
   - **Pay with PayPal**: Link your PayPal account your device to make payments with your registered fingerprints.

Motions and Gestures

Control certain device actions by touching the screen with the palm of your hand.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Motions and gestures**.
3. Tap **ON/OFF** to enable each of the following:
   - **Direct call**: Call the contact whose call log, message, or contact details are currently on the screen by bringing the device close to your ear.
   - **Smart alert**: Set the device to vibrate when you pick it up to notify you about missed calls and messages.
   - **Mute/pause**: Mute or pause sounds and video by covering the screen or turning over the device.
   - **Palm swipe to capture**: Capture an image of the screen when you sweep your hand left or right across the screen.

Air View

Preview information, extend text, or enlarge pictures by hovering your finger over the screen.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Air view**.
3. Tap **ON/OFF** to turn the feature on.

Accounts

Set up and manage accounts, including your Google Account, Samsung account, email, and social networking accounts.

Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Add an Account

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Accounts** > **Add account**.
3. Tap one of the account types.
4. Follow the prompts to enter your credentials and set up the account.

Synchronize Accounts

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Accounts** > (**account type**).
3. Tap an account to view the sync settings for that account.
   - Check individual data items to sync.
   - Tap **Sync** to synchronize the account.

Account Settings

Each account has its own set of settings. In addition, you can configure common settings for all accounts of the same type.

Note: Account settings and available features vary between account types and service providers. Contact your service provider for more information on your account's settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Accounts** > (**account type**).
   - Tap an account to configure that account's settings.
   - Tap **Settings** or other available options to configure common settings for all accounts of this type.

Delete an Account

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Accounts** > (**account type**).
3. Tap the account, and then tap **More options** > **Remove account**.

Cloud

Back up your personal data using your Samsung Account or Dropbox.

Using Your Samsung Account

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud**.
3. Tap your Samsung account to manage your sync settings and backup options.
   - If you have not signed in to your Samsung Account, tap **Add Samsung account**.
   - Tap **Storage usage** to show the storage used and remaining storage available.
   - Tap **Sync settings** to select which data to sync.
   - Tap **Backup** to manage your back up and restore options.
   - Tap **Restore** to retrieve data from your Samsung account.

Using Your Dropbox Account

For more information about Dropbox, visit dropbox.com.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Cloud**.
3. Tap your Dropbox account to manage your sync settings and backup options.
   - If you have not signed in to your Dropbox account, tap **Link Dropbox account**.
   - Follow the prompts to set up and use Dropbox.

Backup and Reset

Back up your data to Google servers. You can also reset your device to its factory defaults.

Backup and Restore

Enable backup of your information to Google servers.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Backup and reset** for options:
   - **Back up my data**: Enable back up of application data, Wi-Fi passwords, and other settings to Google servers.
   - **Backup account**: Select a Google account to be used as your backup account.
   - **Automatic restore**: Enable automatic restoration of settings from Google servers. When enabled, backed-up settings are restored when you reinstall an application.

Factory Data Reset

Return your device to its factory defaults.

Warning! This action permanently erases ALL data from the device, including Google or other account settings, system and application data and settings, downloaded applications, as well as your music, photos, videos, and other files.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Backup and reset** > **Factory data reset**.
3. Tap **Reset device** and follow the prompts to perform the reset.

Language and Input Settings

Configure your device's language and input settings.

Set Your Default Language

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Language and input** > **Language**.
3. Select a language from the list.

Select Your Default Keyboard or Input Method

1. From a Home screen, tap **Apps** > **Settings** > **Language and input** > **Default**.
2. Select a keyboard.

Note: Additional keyboards can be downloaded from the Google Play Store.

Samsung Keyboard Settings

Configure options for using the Samsung keyboard.

1. From a Home screen, tap **Apps** > **Settings** > **Language and input**.
2. Tap **Settings** next to Samsung keyboard for options:
   - **INPUT LANGUAGES**:
     - **<keyboard>:** Select the keyboard layout.
     - **Select input languages**: Choose which languages are available on the keyboard. To switch between languages, slide the space bar sideways.
   - **Predictive text**: Allow Predictive text to suggest words matching your text entries, and, optionally, complete common words automatically. Predictive text can learn your personal writing style from your Contacts, Messages, Gmail, and social networking sites—improving its accuracy of predicting your text entries.
   - **Auto replace**: Complete or replace each word typed with the most probable word by tapping the space bar.
   - **Auto capitalize**, **Auto spacing**, and **Auto punctuate**: Tap the check box next to these features to automatically apply them while you type.
   - **Keyboard swipe**: Select options for entering text by swiping across the keyboard.
   - **Sound** and **Character preview**: Tap the check box next to these feedback features to apply them while typing.
   - **Press and hold delay**: Set the time delay before the touch and hold gesture is activated.
   - **Reset settings**: Reset the settings for the Samsung keyboard.

Swype Keyboard Settings

Configure options for using the Swype keyboard.

1. From a Home screen, tap **Apps** > **Settings** > **Language and input**.
2. Tap **Settings** next to Swype for options:
   - **Settings:** Configure basic options.
   - **Themes**: Change the keyboard layout.
   - **My Words**: Manage your personal dictionary, new word updates, as well as how Swype can learn from your writing style in various apps.
   - **Languages**: Set the current language. Additional languages can be downloaded.
   - **Gestures**: Learn about using Swype gestures.
   - **Help**: View information on using Swype.

Google Voice Typing Settings

Speak rather than type your text entries using Google Voice Typing.

1. From a Home screen, tap **Apps** > **Settings** > **Language and input**.
2. Tap **Settings** next to Google voice typing for options:
   - **Languages**: Select languages for Google voice typing.
   - **Speech output**: Select options for spoken feedback.
   - **“Ok Google” Detection**: Tap to launch a Google search whenever you say “Ok Google”.
   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.
   - **Block offensive words**: Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   - **Audio History**: Keep a history of your voice commands to improve Google’s recognition of your voice..
   - **Manage Audio History**: Manage the recorded history of your voice commands via your Google Account.
   - **Bluetooth headset**: Use audio input from a Bluetooth headset, if one is connected.

Voice Search

Use Google voice recognition to perform Google searches using spoken commands.

To perform a voice search, tap in the Google search bar or widget. Or say “Ok Google” to launch a Google search (if the hotword detection option is enabled).

1. From a Home screen, tap **Apps** > **Settings** > **Language and input**.
2. Tap **Voice search** for options.
   - **Languages**: Select languages for Google voice typing.
   - **Speech output**: Select options for spoken feedback.
   - **“Ok Google” Detection**: Tap to launch a Google search whenever you say “Ok Google”.
   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.
   - **Block offensive words**: Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   - **Audio History**: Keep a history of your voice commands to improve Google’s recognition of your voice..
   - **Manage Audio History**: Manage the recorded history of your voice commands via your Google Account.
   - **Bluetooth headset**: Use audio input from a Bluetooth headset, if one is connected.

Text-To-Speech Options

Configure your Text-To-Speech (TTS) options. TTS is used for various accessibility features, such as TalkBack. For more information, see Accessibility.

1. From a Home screen, tap **Apps** > **Settings** > **Language and input** >
2. Tap **Text-to-speech options** for options:
   - Choose either the **Samsung** or **Goggle** text-to-speech engine. Tap **Settings** next to each TTS engine for options.
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Default language status**: Display the default language in use.

Read New Notifications Aloud

Set the device to read new notifications aloud for incoming calls, messages, and emails, as well as caller or sender information.

1. From a Home screen, tap **Apps** > **Settings** > **Language and input**.
2. Tap **Read notifications aloud**.
3. Tap each option to either enable or disable it.

Mouse/Trackpad Settings

Configure settings for using an optional mouse or trackpad (not included).

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Pointer speed** to set the speed of the pointer.

Date and Time

By default, your device receives date and time information from the wireless network.

When you are outside network coverage, you may want to set date and time information manually using the date and time settings.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Date and time**. The following options appear:
   - **Automatic date and time**: Tap the check box to use the time on the mobile and/or Wi-Fi network. If this option is checked, you cannot manually set the date and time.
   - **Set date**: Tap to manually set the date. This option is locked if **Automatic date and time** is enabled.
   - **Set time**: Tap to manually set the time. This option is locked if **Automatic date and time** is enabled.
   - **Automatic time zone**: Tap the check box to use the time zone detected on the mobile and/or Wi-Fi network. If this option is checked, you cannot manually set the time zone.
   - **Select time zone**: Tap to manually set the time zone. This option is locked if **Automatic time zone** is enabled.
   - **Use 24-hour format**: Tap to use 24-hour format (as opposed to 12-hour with AM and PM).
   - **Select date format**: Tap to choose your preferred date format.

Safety Assistance

Receive real-time information about emergencies and severe weather conditions.

You can also enable Emergency mode (a power-conserving mode which restricts certain apps and functions while allowing access to Messages, Contacts, and emergency calls).

Emergency Mode

Use Emergency mode to conserve batter power during emergencies. Power-hungry apps and functions are disable, but you are still able to send messages, use Contacts, and make emergency calls.

1. From a Home screen, tap **Apps** > **Settings** > **Safety assistance**.
2. Tap **Emergency mode**.
3. Tap **ON/OFF** to turn the feature on.

Geo News

Receive information about weather, environmental situations, and geological information for your location during emergencies.

1. From a Home screen, tap **Apps** > **Settings** > **Safety assistance**.
2. Tap **Geo News**.
3. Tap **ON/OFF** to turn on the feature.
   - Tap **Geo News notification pop-ups** to receive pop-up alerts.

Send Help Messages

Send a quick alert to your primary contacts when you are in an emergency situation.

To enable this feature:

1. From a Home screen, tap **Apps** > **Settings** > **Safety Assistance**.
2. Tap **Send help messages**.
3. Tap **ON/OFF** to turn the feature on.
   - Tap **Send pictures** to send photos taken with the front and back cameras to your emergency contacts.
   - Tap **Send sound recording** to send a short audio message to your emergency contacts.

To send a help messages:

► Press the **Power/Lock** key quickly three times.

Manage Primary Contacts

Select contacts or create new ones to be your emergency contacts. These contacts automatically receive your help message.

1. From a Home screen, tap **Apps** > **Settings** > **Safety assistance**.
2. Tap **Manage primary contacts**.
   - Tap **Create primary contacts**:
     - Tap **Create contact** to enter a name and phone number for a new emergency contact.
     - Tap **Select from contacts** to designate a contact to be an emergency contact.

Battery

View how battery power is used for device activities.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Battery** to display the following:
   - **Show battery percentage**: Display the battery charge percentage next to the battery icon on the Status Bar.
   - **Battery Chart**: The battery level displays as a percentage. The amount of time the battery has been used also displays.
   - **Apps and OS Usage**: Battery usage displays in percentages per application.
3. Tap **Screen**, **Android System**, **Android OS**, or an app to view how they are affecting battery use.
4. Tap **Refresh** to update the listing.

Note: Other applications may be running that affect battery use.

Power Saving

Conserve battery power by automatically adjusting the screen brightness, limiting the performance of the CPU, and other power reduction activities.

Ultra power saving mode saves even more battery power by using a grayscale theme on the Home screen and limiting the number of usable apps.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Power saving** for options:
   - **Power saving mode**: Tap **ON/OFF** to turn the feature on. Tap **Power saving mode** to select options.
   - **Ultra power saving mode**: Tap **ON/OFF** to turn the feature on. Tap **Ultra power saving mode** for options.

Tip: Tap **More options** > **Help** to display more information about conserving power.

Storage

View the device memory and usage, or mount, unmount, or format an optional memory card (not included).

Device Memory

View and manage the memory used by the device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Storage**.
   - The DEVICE MEMORY displays Total space and Available space.
   - The amounts of memory used by Applications, Pictures and videos, Audio, Downloads, Cached data, and Miscellaneous files are also displayed.

To increase available memory:

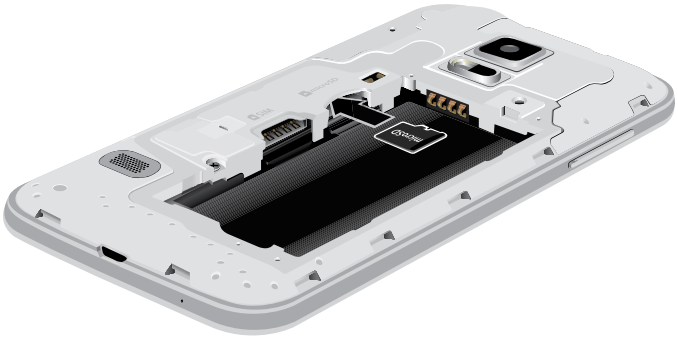
1. Tap **Cached data** to clear all cached data for all apps.
2. Tap **Miscellaneous files**, select unnecessary files (or tap **Select all**), and then tap **Delete**.

Memory Card (SD Card)

Once an optional memory card (not included) has been installed in your device, the card memory displays as Total space and Available space.

Install a Memory Card

You can use an optional microSD or microSDHC card (not included) to add additional memory space to your device.



1. Remove the back cover. For more information, see Remove the Back Cover.
2. With the gold contacts facing down, carefully slide the memory card into the slot.
3. Replace the back cover. For more information, see Replace the Back Cover.

Mount a Memory Card

When you install an optional memory card, it is automatically mounted (connected to the device) and prepared for use. However, should you unmount the card without removing it from the device, you will need to mount it before it can be accessed.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Storage** > **Mount SD card**.

Unmount an SD Card

To prevent damage to information stored on the memory card, always unmount the card before removing it from the device.

Unmounting an SD card may stop some applications from functioning until you mount the SD card again.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Storage** > **Unmount SD card**.

Remove a Memory Card

Warning! To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Storage** > **Unmount SD card**.
3. Remove the back cover. For more information, see Remove the Back Cover.
4. Carefully slide the card out.
5. Replace the back cover. For more information, see Replace the Back Cover.

Formatting an SD Card

Warning! Formatting an SD card PERMANENTLY deletes all data stored on the memory card.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Storage** > **Format SD card** and follow the prompts.

Security

Secure your device and protect your data with Security settings.

Device Administration

Manage your device administrators and application installation privileges.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** for options:
   - **Device administrators**: Add or remove device administrators.
   - **Unknown sources**: Enable installation of non-Google Play applications.
   - **Verify apps**: Block or warn before installing apps that may cause harm.

Warning! Enabling installation of third-party applications can cause your device and personal data to be more vulnerable to attacks by unknown sources.

Encrypt Your Data

Require a numeric PIN or password to decrypt your device each time you power it on or encrypt the data on a memory card (not included) each time it is connected.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** for options:
   - Tap **Encrypt device** and follow the prompts to encrypt all data on your device.
   - Tap **Encrypt external SD card** to encrypt data on a memory card (not included).

Locate a Lost Device

Protect your device from loss or theft allowing your device to be locked, tracked, and for your data to be deleted remotely.

Note: You must sign up for a Samsung account and enable Google location service to use Remote controls.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** > **Remote controls** and follow the prompts to set up Remote controls.

Find My Mobile Web Page

To access your device remotely:

► Tap **Go to website** to visit findmymobile.samsung.com.

Prevent Others From Reactivating Your Device

Stop others from reactivating your device after it has been reset remotely.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** > **Reactivation lock** to enable the feature.

View Passwords

Display password characters briefly as you type them.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** > **Make passwords visible** to turn the feature on.

Security Update Service

Automatically receive security updates.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** for options:
   - **Security policy updates**: Automatically or manually check for security policy updates.
   - **Send security reports**: Send security reports to Samsung via Wi-Fi for threat analysis.

Credential Storage

Manage your security certificates. If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Security** for options:
   - **Storage type**: Select a storage location for credential contents.
   - **Trusted credentials**: Display certificates in your device's ROM and other certificates you have installed.
   - **Install from device storage**: Install a new certificate from storage.
   - **Clear credentials**: Erase the credential contents from the device and reset the password.

Help

View tips and guidelines for using your device.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **Help** for information about New features, Getting started, Applications, and Settings.

About Device

View information about your device, including status, legal information, hardware and software versions, and a tutorial.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **About device**, and then tap items for more details:
   - **Software updates**: Check for a software update for your device.
   - **Status**: View the status of the battery, network, and other information about your device.
   - **Legal information**: View your device's open source licenses and Google legal information.
   - **Report diagnostic info**: Tap this box to enable reporting diagnostic and usage data to Samsung for quality and performance purposes. Full details and a request for consent confirmation are provided when you tap the box.
   - **Device name**: View and change your device's name.
   - Additional device information include the Model number, Android version, Baseband version, Kernel version, Build number, SE for Android status, and Hardware version.

Software Update

Use Software update to update your device's software.

1. From a Home screen, tap **Apps** > **Settings**.
2. Tap **About device** > **Software updates**.
3. Follow the prompts to check for available software updates to download and install.

Application Manager

You can download and install applications from Google Play or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From a Home screen, tap **Apps** > **Settings** > **Application manager**.
2. Tap DOWNLOADED, SD CARD, RUNNING, or ALL to display memory usage for that category of applications.

   The graph on the DOWNLOADED tab shows used and free device memory. The graph on the RUNNING tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From a Home screen, tap **Apps** > **Settings** > **Application manager**.
2. Tap **DOWNLOADED** to view a list of all the downloaded applications on your device.
   - To switch the order of the DOWNLOADED list, tap **More options** > **Sort by size**.
   - To reset all of your application preferences, tap **More options** > **Reset app preferences**.
   - Tap an application to view and update information about the application, including memory usage, default settings, and permissions. The following options are displayed:
     - **Force stop**: Stop an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.
     - **Uninstall/Uninstall updates**: Delete the application from the device or uninstall updates made to apps that cannot be deleted.
     - **Move to SD card**: Move this app to your microSD card.
     - **Clear data**: Clear application data from memory.
     - **Clear cache**: Clear an application's temporary memory storage.
     - **Clear defaults**: Clear an application's customization.
     - **Permissions**: View information about the application's access to your device and data.

Note: Options vary by application.

SD Card

Displays apps you have downloaded onto your memory card (not included).

1. From a Home screen, tap **Apps** > **Settings** > **Application manager**.
2. Tap **SD CARD** to view a list of all the downloaded applications on your SD card.
3. To switch the order of the SD CARD list, tap **More options** > **Sort by size**.
4. To reset your application preferences, tap **More options** > **Reset app preferences**.

Note: When you reset app preferences, you will not lose any app data.

5. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From a Home screen, tap **Apps** > **Settings** > **Application manager**.
2. Tap **RUNNING**.

   All the applications that are currently running on the device display.
3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.
4. Tap one of the applications to view application information.

   - **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application. (Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.)
   - **Report**: Report failure and other application information.

Note: Options vary by application.

Default Applications

If you have multiple applications of the same type, such as email apps, you can select one app to be the default.

You can also use a simpler Home screen which provides an easier user experience for first-time smartphone users.

1. From a Home screen, tap **Apps** > **Settings** > **Default applications**.

   - Tap **Home** and select a Home screen mode:
     - **TouchWiz easy home**: Provides an easier user experience for the first-time smartphone users.
     - **TouchWiz home**: The Home screen that originally displays on your phone.
   - Tap **Messages** and select a default messaging app.
     - To clear defaults you have set up, tap **Clear**.

Applications Settings Shortcuts

Shortcuts to the settings for various apps are available in one convenient location.

To quickly access the settings for Contacts, Email, Gallery, Internet, Calendar, or S Voice:

1. From a Home screen, tap **Apps** > **Settings** > **Applications** tab.
2. Tap one of the following to display the settings for the selected app:
   - **Calendar**: For more information, see Calendar Settings.
   - **Call**: For more information, see Call Settings.
   - **Contacts**: For more information, see Contact Settings.
   - **Email**: For more information, see Email Settings.
   - **Gallery**: For more information, see Gallery Settings.
   - **Internet**: For more information, see Internet Settings.
   - Messages: For more information, see Messages Settings.
   - **S Voice**: For more information, see S Voice Settings.